

**ExxonMobil**  
**Refining & Supply Company**  
Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611  
510.547.8196  
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jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek  
Project Manager



March 11, 2005

Mr. Tom Sayles  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aerovista Place, Suite 101  
San Luis Obispo, California 93401

**RE: Former Mobil RAS #10-HMG/1203 Mission Street, Santa Cruz, California.**

Dear Mr. Sayles:

Attached for your review and comment is a copy of the letter report entitled *Revised Request for Case Closure Package*, dated March 9, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and provides information regarding the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

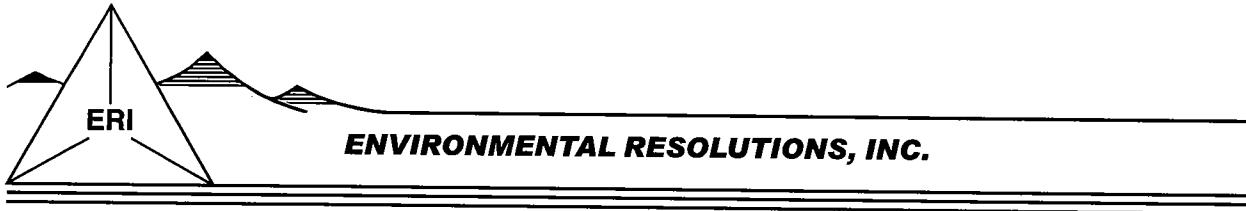
A handwritten signature in black ink, appearing to read "Jennifer C. Sedlachek".

Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Revised Request for Case Closure Package, dated March 9, 2005.

cc: w/ attachment  
Mr. Steve Biaocchi, County of Santa Cruz Environmental Health Services  
The Lopina Partners

w/o attachment  
Mr. Robert A. Saur, Environmental Resolutions, Inc.



March 11, 2005  
ERI 256114.R02

Ms. Jennifer C. Sedlachek  
ExxonMobil Refining & Supply - Global Remediation  
4096 Piedmont Avenue  
Oakland, California 94611

Subject: Revised Request for Case Closure Package, Former Mobil Service Station 10-HMG,  
1203 Mission Street, Santa Cruz, California.

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) has prepared this *Revised Request for Case Closure Package* (Revised Closure Package) for the subject site. ERI previously submitted a *Supplemental Information Package and Recommendation for Closure* on August 31, 2004, and a *Background Information Report* on September 24, 2004. The Revised Closure Package has been prepared in response to a letter from the California Regional Water Quality Control Board, Central Coast Region (Regional Board), dated December 6, 2004 (Attachment A). In addition, ExxonMobil, ERI, and the Regional Board met on February 16, 2005, and discussed the content of this submittal as noted in the meeting minutes submitted on March 11, 2005 via electronic correspondence.

ERI submitted groundwater samples collected from wells MW1 through MW10 during the first quarter 2005 joint groundwater monitoring and sampling event to TestAmerica Analytical Testing Corporation (TestAmerica) for analysis of the full method list of volatile organic compounds (VOCs) using EPA Method 8260B, in addition to the standard suite of groundwater analyses. The laboratory analytical report is provided as Attachment B. Select results from the first quarter 2005 groundwater monitoring and sampling event are summarized in Tables 1A and 1B. Table 2 summarizes the results of select compounds typically used for dry cleaner operations collected during the first quarter 2005 groundwater monitoring and sampling event. Cumulative results of joint groundwater monitoring and sampling, through the fourth quarter 2004 event, are provided as Attachment C.

As requested by the Regional Board in the February 16, 2005, meeting, ERI has used the results of the first quarter 2005 monitoring and sampling event to update the Case Closure Summary form for the subject site (Attachment D). The form was updated using data from the monitoring wells located at the site, MW1 through MW4, as discussed at the meeting.

Based on discussions during the February 16, 2005 meeting, ERI trusts this Revised Closure Package completes the information necessary for the Regional Board's consideration of our request for case closure.

**DOCUMENT DISTRIBUTION**

ERI recommends submitting a copy of this closure package to:

Mr. Tom Sayles  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aero Vista Place, Suite 101  
San Luis Obispo, California 93401

Mr. Steve Biaocchi  
County of Santa Cruz Environmental Health Services  
701 Ocean Street, Room 312  
Santa Cruz, California 95060

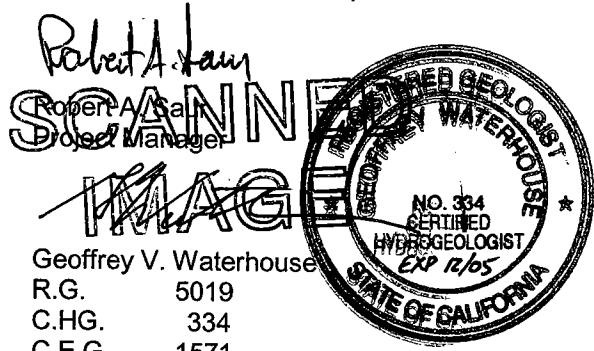
The Lopina Partners  
360 Kiely Boulevard #220  
San Jose, California 95129

**LIMITATIONS**

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Mr. Robert A. Saur, ERI's project manager for this site, at (707) 766-2000 with questions regarding this submittal.

Sincerely,  
Environmental Resolutions, Inc.



- Attachments:   Table 1A:   Groundwater Monitoring and Sampling Data, First Quarter 2005  
                  Table 1B:   Additional Groundwater Monitoring and Sampling Data, First Quarter 2005  
                  Table 2:    Select Volatile Organic Compound Analytical Results, First Quarter 2005
- Attachment A:   Regulatory Correspondence  
Attachment B:   Laboratory Analytical Report and Chain-of-Custody Record  
Attachment C:   Cumulative Joint Groundwater Monitoring and Sampling Results through Fourth Quarter 2004 (RRM, February 7, 2005)  
Attachment D:   Revised Case Closure Summary Form

**TABLE 1A**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FIRST QUARTER 2005**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 1 of 2)

Well ID # (TOC)	Sample Date	SUBJ	DTW <----- (feet)----->	Elev.	TPHg	MTBE	B	T	E	X
							μg/L			
MW1 (71.46)	02/02/05	NLPH	3.84	70.16	<50.0	<0.5/<0.50a	<0.50/<0.50a	<0.5/<0.50a	<0.5/<0.50a	1.0/1.80a
MW2 (71.18)	02/02/05	NLPH	4.03	67.15	330	1.8/<0.50a	2.00/<0.50a	<0.5/<0.50a	5.9/6.30a	1.6/2.70a
MW3 (71.66)	02/02/05	NLPH	4.66	67.00	<50.0	<0.5/<0.50a	<0.50/<0.50a	<0.5/<0.50a	<0.5/<0.50a	0.5/1.80a
MW4 (69.97)	02/02/05	NLPH	4.30	65.67	274	0.5/<0.50a	0.50/<0.50a	0.9/<0.50a	2.9/2.80a	9.4/9.90a
MW5 (69.67)	02/02/05	NLPH	4.20	65.47	53.6	0.7/<0.50a	0.80/0.70a	<0.5/<0.50a	<0.5/<0.50a	<0.5/1.80a
MW6 (69.44)	02/02/05	NLPH	4.27	65.17	10,500	10.9/<0.50a	378/<0.50a	41.5/43.6a	480/595a	1,320/1,630a
MW7 (61.50)	02/02/05	NLPH	5.89	55.61	188	0.6/<0.50a	4.40/4.00a	1.2/1.00a	8.7/9.70a	19.9/23.9a
MW8 (66.35)	02/02/05	NLPH	9.50	56.85	<50.0	<0.5/<0.50a	<0.50/<0.50a	<0.5/<0.50a	0.5/<0.50a	1.2/2.30a
MW9 (70.75)	02/02/05	NLPH	12.46	58.29	<50.0	<0.5/<0.50a	<0.50/<0.50a	<0.5/<0.50a	0.5/<0.50a	<0.5/1.50a
MW10 (71.88)	02/02/05	NLPH	11.97	59.91	267	<0.5/<0.50a	<0.50/<0.50a	<0.5/<0.50a	<0.5/<0.50a	<0.5/1.90

**TABLE 1A**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FIRST QUARTER 2005**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 2 of 2)

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Notes:	
TOC	= Elevation of top of well casing; in feet above mean sea level.
SUBJ	= Results of subjective evaluation, liquid-phase hydrocarbon thickness (HT) in feet.
NLPH	= No liquid-phase hydrocarbons present.
DTW	= Depth to water in feet.
Elev.	= Elevation of groundwater in feet above mean sea level.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Methods 8021B.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	= 1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Methanol	= Methanol analyzed using EPA Method 8260B.
Additional VOCs	= Additional volatile organic compounds analyzed using EPA Method 8260B. Refer to laboratory report for a complete list of analytes.
µg/L	= Micrograms per liter.
<	= Not detected at or above the stated laboratory reporting limit.
ND	= Not detected at or above the stated laboratory reporting limit. Refer to laboratory report for specific reporting limits.
a	= Analyzed using EPA Method 8260B.
b	= Bromodichloromethane.
c	= p-Isopropyltoluene.
d	= Naphthalene.

**TABLE 1B**  
**ADDITIONAL GROUNDWATER MONITORING AND SAMPLING DATA**  
**FIRST QUARTER 2005**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 1 of 2)

Well ID #	Sample Date	ETBE	TAME	TBA	EDB	1,2-DCA ug/L	DIPE	Ethanol	Methanol	Additional VOCs
MW1	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	0.90b
MW2	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND
MW3	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND
MW4	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND
MW5	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	0.90	<50.0	<10,000	ND
MW6	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	1.10	<50.0	<10,000	6.50c, 186d
MW7	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND
MW8	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND
MW9	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND
MW10	02/02/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000	ND

**TABLE 1B**  
**ADDITIONAL GROUNDWATER MONITORING AND SAMPLING DATA**

**FIRST QUARTER 2005**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 2 of 2)

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Notes:

TOC	=	Elevation of top of well casing; in feet above mean sea level.
SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness (HT) in feet.
NLPH	=	No liquid-phase hydrocarbons present.
DTW	=	Depth to water in feet.
Elev.	=	Elevation of groundwater in feet above mean sea level.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Methods 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Methanol	=	Methanol analyzed using EPA Method 8260B.
Additional VOCs	=	Additional volatile organic compounds analyzed using EPA Method 8260B. Refer to laboratory report for a complete list of analytes.
µg/L	=	Micrograms per liter.
<	=	Not detected at or above the stated laboratory reporting limit.
ND	=	Not detected at or above the stated laboratory reporting limit. Refer to laboratory report for specific reporting limits.
a	=	Analyzed using EPA Method 8260B.
b	=	Bromodichloromethane.
c	=	p-Isopropyltoluene.
d	=	Naphthalene.

**TABLE 2**  
**SELECT VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS**  
**FIRST QUARTER 2005**  
Former Mobil 10-HMG, Former Shell, and Former Chevron # 206156  
Mission and Laurel Streets  
Santa Cruz, California  
(Page 1 of 2)

Station	Well ID #	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl benzene	Chloroform	Isopropyl-benzene	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene
			<-----μg/L----->												
<b>Former Mobil</b>	MW1 (71.46)	02/02/05	2.40	<0.50	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	3.30	<0.50	<0.50	<0.50	<0.50
	MW2 (71.18)	02/02/05	4.00	4.40	10.0	0.70	1.80	1.70	0.60	2.30	<0.50	4.10	5.90	26.2	2.80
	MW3 (71.66)	02/02/05	58.9	8.20	12.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	MW4 (69.97)	02/02/05	<0.50	<0.50	0.60	<0.50	<0.50	1.80	<0.50	0.90	<0.50	1.20	1.40	18.10	5.00
	MW5 (69.67)	02/02/05	40.1	8.60	13.3	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	<0.50	<0.50	<0.50	<0.50
	MW6 (69.44)	02/02/05	9.50	4.00	7.10	<0.50	0.90	28.0	8.80	8.80	<0.50	50.7	120	1,210	188
	MW7 (61.50)	02/02/05	137	22.1	16.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.00	0.70	9.50	2.30
	MW8 (66.35)	02/02/05	16.8	1.10	1.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.70	<0.50
	MW9 (70.75)	02/02/05	74.5	2.40	2.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	MW10 (71.88)	02/02/05	800	1.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	<0.50

**TABLE 2**  
**SELECT VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS**  
**FIRST QUARTER 2005**  
Former Mobil 10-HMG, Former Shell, and Former Chevron # 206156  
Mission and Laurel Streets  
Santa Cruz, California  
(Page 2 of 2)

Station	Well ID #	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl benzene	Chloroform	Isopropyl-benzene	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene
			μg/L												
<b>Former Shell</b>	S-1	01/31/05	<0.50	<0.50	2.6	<0.50	0.88	---	---	---	<0.50	---	---	---	---
	S-2	01/31/05	<0.50	<0.50	3.8	<0.50	<0.50	---	---	---	<0.50	---	---	---	---
<b>Former Chevron</b>	MW-1	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---
	MW-2	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---
	MW-3	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---
	MW-4	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---
	MW-5	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---
	MW-6	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---
	MW-7	01/31/05	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

- PCE = Tetrachloroethene analyzed using EPA Method 8260B.
- TCE = Trichloroethene analyzed using EPA Method 8260B.
- cis-1,2-DCE = Cis-1,2-Dichloroethene analyzed using EPA Method 8260B.
- trans-1,2-DCE = Trans-1,2-dichloroethene analyzed using EPA Method 8260B.
- Vinyl chloride = Vinyl chloride analyzed using EPA Method 8260B.
- n-Butylbenzene = n-Butylbenzene analyzed using EPA Method 8260B.
- sec-Butylbenzene = sec-Butylbenzene analyzed using EPA Method 8260B.
- tert-Butylbenzene = tert-Butylbenzene analyzed using EPA Method 8260B.
- Chloroform = Chloroform analyzed using EPA Method 8260B.
- Isopropylbenzene = Isopropylbenzene analyzed using EPA Method 8260B.
- n-Propylbenzene = n-Propylbenzene analyzed using EPA Method 8260B.
- 1,2,4-Trimethylbenzene = 1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
- 1,3,5-Trimethylbenzene = 1,3,5-Trimethylbenzene analyzed using EPA Method 8260B.
- μg/L = Micrograms per liter.
- < = Not detected at or above the stated laboratory reporting limit.
- = Not measured/not analyzed.

**ATTACHMENT A**

**REGULATORY CORRESPONDENCE**



# California Regional Water Quality Control Board

## Central Coast Region

GVW 25611W  


Terry Tamminen  
Secretary for  
Environmental  
Protection

Internet Address: <http://www.waterboards.ca.gov/centralcoast>  
895 Aerovista Place, Suite 101, San Luis Obispo, California 93401-7906  
Phone (805) 549-3147 • FAX (805) 543-0397

Arnold Schwarzenegger  
Governor

December 6, 2004

Ms. Jennifer Sedlachek  
ExxonMobil Refining and Supply Company  
4096 Piedmont Avenue, No. 194  
Oakland, CA 94611

Dear Ms. Sedlachek:

### **UST: FORMER MOBIL SERVICE STATION 10-HMG, 1203 MISSION STREET, SANTA CRUZ; RESPONSE TO RECOMMENDATION FOR CLOSURE**

Regional Board (RB) staff has reviewed Environmental Resolutions, Inc.'s (ERI) August 31, 2004, *Supplemental Information Package and Recommendation for Closure* and the September 24, 2004, *Background Information Report*. Thank you for the submittals. A review of the data indicates that monitoring wells MW-1, MW-7, MW-9, and MW-10 were not sampled during the second quarter 2004 groundwater monitoring event. Prior to recommending this case for closure to our Regional Board, the following shall be addressed:

1. All groundwater monitoring wells (MW-1 through MW-10) shall be sampled and analyzed in accordance with US EPA Method 8015 for total petroleum hydrocarbons as gasoline, and a full scan analyses using US EPA Method 8260B. All constituents detected above method detection limits must be reported.
2. You are required to continue the joint quarterly groundwater monitoring program with the Former Shell Station at 1129 Mission Street and the Former Chevron Station at 1130 Mission Street until a low risk review can be completed following submittal of the requested data.
3. Groundwater laboratory analyses shall be performed by a California Department of Health Services certified laboratory to do the specific analyses. Documentation must be provided showing all sampling and analyses were conducted based on a reasonable quality assurance and quality control program.

Please provide the requested information to this office and the Santa Cruz County Environmental Health Services Agency with a revised recommendation for a low risk case closure review by April 20, 2005.

Authority for this request is made pursuant to the provisions of Section 13267 of the California Water Code. Pursuant to Section 13268 of the Water Code, a violation of a request made pursuant to Water Code Section 13267 may subject you to civil liability of up to \$1,000 per day.

**California Environmental Protection Agency**



Recycled Paper

December 6, 2004

The Regional Board needs the required information because the beneficial uses of groundwater under the subject facility have been impaired. You are being required to submit this information as the responsible party of the subject facility. More detailed information is available in the Regional Board's public file on this matter. Any person affected by this action of the Regional Board may petition the State Water Resources Control Board (State Board) to review the action in accordance with Section 13320 of the California Water Code and Title 23, California Code of Regulations, Section 2050. The petition must be received by the State Board, Office of Chief Counsel within 30 days of the date of this order. Copies of the law and regulations applicable to filing petitions will be provided upon request.

If you have questions regarding this matter, please call Tom Sayles at (805) 542-4640.

Sincerely,



Roger W. Briggs  
Executive Officer

S:\UST\Regulated Sites\Santa Cruz Co\Santa Cruz\1203 Mission Street\responsetoclosure.doc

cc:

Mr. Steve Baiocchi  
Santa Cruz County Environmental Health Services  
701 Ocean Street, Room 312  
Santa Cruz, CA 95060

Ms. Barbara Wozniak  
Nella Oil Company  
2349 Richenbacker Way  
Auburn, CA 95602

Mr. Robert Sauer  
Environmental Resolutions, Incorporated  
601 N. McDowell Boulevard  
Petaluma, CA 94954

Mr. Mark R. Lafferty  
Chevron Products Company  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 6004  
San Ramon, CA 94583-0904

Ms. Karen Petryna  
Shell Oil Products US  
P.O. Box 7869  
Burbank, CA 91510-7869

Mr. Joe Muzzio  
Science Applications International Corporation  
1404 Franklin Street, 6th Floor  
Oakland, CA 94612

Mr. Darren Croteau  
Toxichem Management Systems, Incorporated  
343 Soquel, Avenue, No. 180  
Santa Cruz, CA 95062

Mr. Matt Paulus  
RRM Engineering  
3912 Portola Drive, Suite 8  
Santa Cruz, CA 95062-5267

California Environmental Protection Agency



Recycled Paper

**ATTACHMENT B**

**LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY  
RECORD**

# TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

RECEIVED  
FEB 18 2005

BY: \_\_\_\_\_

2/11/05

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 10-HMG  
Project Number: 256113X.  
Laboratory Project Number: 405571.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Page 1 Collection Date
BB	05-A17307	2/ 2/05
MW1	05-A17308	2/ 2/05
MW2	05-A17309	2/ 2/05
MW3	05-A17310	2/ 2/05
MW4	05-A17311	2/ 2/05
MW5	05-A17312	2/ 2/05
MW6	05-A17313	2/ 2/05
MW7	05-A17314	2/ 2/05
MW8	05-A17315	2/ 2/05
MW9	05-A17316	2/ 2/05
MW10	05-A17317	2/ 2/05

# TestAmerica

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

Sample Identification

Lab Number

Page 2  
Collection Date

These results relate only to the items tested.  
This report shall not be reproduced except in full and with  
permission of the laboratory.

Report Approved By:

Report Date: 2/11/05

Johnny A. Mitchell, Laboratory Director  
Michael H. Dunn, M.S., Technical Director  
Pamela A. Langford, Senior Project Manager  
Eric S. Smith, QA/QC Director  
Sandra McMillin, Technical Services

Gail A. Lage, Senior Project Manager  
Glenn L. Norton, Technical Services  
Kelly S. Comstock, Technical Services  
Roxanne L. Connor, Senior Project Manager

Laboratory Certification Number: 01168CA

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17307  
Sample ID: BB  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 10:50  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17308  
Sample ID: MW1  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 15:30  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	ND	ug/l	0.50	1.0	2/10/05	17:42	I. Ahmed	8021B	1767
**Ethylbenzene	ND	ug/l	0.5	1.0	2/10/05	17:42	I. Ahmed	8021B	1767
**Toluene	ND	ug/l	0.5	1.0	2/10/05	17:42	I. Ahmed	8021B	1767
**Xylenes (Total)	1.0	ug/l	0.5	1.0	2/10/05	17:42	I. Ahmed	8021B	1767
**Methyl-t-butylether	ND	ug/l	0.5	1.0	2/10/05	17:42	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	2/10/05	17:42	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Benzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**tert-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17308  
Sample ID: MW1  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Chloroform	3.30	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	0.70	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Ethylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Isopropylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Naphthalene	ND	ug/l	2.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**n-Propylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Tetrachloroethene	2.40	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17308  
Sample ID: MW1  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Trichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Vinyl chloride	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Xylenes (Total)	1.80	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Bromodichloromethane	0.90	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/ 9/05	21:50	M.Himelick	8260B	4108
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/ 9/05	21:50	M.Himelick	8260/SA05-77	4108
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	17:45	K. Roberso	8015B	1984

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	88.	69. - 132.
GC FID Surrogate	92.0	50. - 150.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	87.	79. - 113.
VOA Surr, 4-BFB	91.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17308  
Sample ID: MW1  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17309  
Sample ID: MW2  
Sample Type: Water  
Site ID: 10-HMG

Date Collected: 2/ 2/05  
Time Collected: 15:15  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	2.00	ug/l	0.50	1.0	2/10/05	18:13	I. Ahmed	8021B	1767
**Ethylbenzene	5.9	ug/l	0.5	1.0	2/10/05	18:13	I. Ahmed	8021B	1767
**Toluene	ND	ug/l	0.5	1.0	2/10/05	18:13	I. Ahmed	8021B	1767
**Xylenes (Total)	1.6	ug/l	0.5	1.0	2/10/05	18:13	I. Ahmed	8021B	1767
**Methyl-t-butylether	1.8	ug/l	0.5	1.0	2/10/05	18:13	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	330.	ug/l	50.0	1.0	2/10/05	18:13	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Benzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Bromo-chloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**n-Butylbenzene	1.70	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**sec-Butylbenzene	0.60	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**tert-Butylbenzene	2.30	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17309  
 Sample ID: MW2  
 Project: 256113X  
 Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	10.0	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	0.70	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Ethylbenzene	6.30	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Isopropylbenzene	4.10	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Naphthalene	ND	ug/l	2.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**n-Propylbenzene	5.90	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Tetrachloroethene	4.00	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17309  
Sample ID: MW2  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Trichloroethene	4.40	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	26.2	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**1,3,5-Trimethylbenzene	2.80	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Vinyl chloride	1.80	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Xylenes (Total)	2.70	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/ 9/05	22:24	M.Himelick	8260B	4108
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/ 9/05	22:24	M.Himelick	8260/SA05-77	4108
<b>*MISCELLANEOUS GC PARAMETERS*</b>									
**Methanol	ND	ug/l	10000	1.0	2/10/05	17:51	K. Roberso	8015B	1984

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	90.	69. - 132.
GC FID Surrogate	91.0	50. - 150.
VOA Surr 1,2-DCA-d4	92.	73. - 127.
VOA Surr Toluene-d8	88.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17309  
Sample ID: MW2  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

## **ANALYTICAL REPORT**

ERI - NORTHERN CA 10228  
 ROB SAUR  
 601 NORTH McDOWELL BLVD.  
 PETALUMA, CA 94954

Lab Number: 05-A17310  
 Sample ID: MW3  
 Sample Type: Water  
 Site ID: 10-HMG

Project: 256113X  
 Project Name: EXXONMOBIL 10-HMG  
 Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
 Time Collected: 14:55  
 Date Received: 2/ 8/05  
 Time Received: 8:10  
 Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report	Dil	Analysis		Analysis		Batch
			Limit	Factor	Date	Time	Analyst	Method	
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	ND	ug/l	0.50	1.0	2/10/05	18:44	I. Ahmed	8021B	1767
**Ethylbenzene	ND	ug/l	0.5	1.0	2/10/05	18:44	I. Ahmed	8021B	1767
**Toluene	ND	ug/l	0.5	1.0	2/10/05	18:44	I. Ahmed	8021B	1767
**Xylenes (Total)	0.5	ug/l	0.5	1.0	2/10/05	18:44	I. Ahmed	8021B	1767
**Methyl-t-butylether	ND	ug/l	0.5	1.0	2/10/05	18:44	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	2/10/05	18:44	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Benzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Bromo(chloro)methane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**tert-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M. Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17310  
Sample ID: MW3  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	12.0	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Ethylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Isopropylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Naphthalene	ND	ug/l	2.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**n-Propylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Tetrachloroethene	58.9	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17310  
Sample ID: MW3  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Trichloroethene	8.20	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Vinyl chloride	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Xylenes (Total)	1.80	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/ 9/05	22:58	M.Himelick	8260B	4108
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/ 9/05	22:58	M.Himelick	8260/SA05-77	4108
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	17:57	K. Roberso	8015B	1984

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	69. - 132.
GC FID Surrogate	93.0	50. - 150.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	87.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

Sample report continued . . .

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## ***ANALYTICAL REPORT***

Laboratory Number: 05-A17310  
Sample ID: MW3  
Project: 256113X  
Page 4

### **LABORATORY COMMENTS:**

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17311  
Sample ID: MW4  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 16:10  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	0.50	ug/l	0.50	1.0	2/10/05	19:15	I. Ahmed	8021B	1767
**Ethylbenzene	2.9	ug/l	0.5	1.0	2/10/05	19:15	I. Ahmed	8021B	1767
**Toluene	0.9	ug/l	0.5	1.0	2/10/05	19:15	I. Ahmed	8021B	1767
**Xylenes (Total)	9.4	ug/l	0.5	1.0	2/10/05	19:15	I. Ahmed	8021B	1767
**Methyl-t-butylether	0.5	ug/l	0.5	1.0	2/10/05	19:15	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	274.	ug/l	50.0	1.0	2/10/05	19:15	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Benzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**n-Butylbenzene	1.80	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**tert-Butylbenzene	0.90	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17311  
Sample ID: MW4  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	0.60	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Ethylbenzene	2.80	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Isopropylbenzene	1.20	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Naphthalene	ND	ug/l	2.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**n-Propylbenzene	1.40	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Tetrachloroethene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17311  
Sample ID: MW4  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Trichloroethylene	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	18.1	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**1,3,5-Trimethylbenzene	5.00	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Vinyl chloride	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Xylenes (Total)	9.90	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/ 9/05	23:31	M.Himelick	8260B	4108
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/ 9/05	23:31	M.Himelick	8260/SA05-77	4108
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	18:03	K. Roberso	8015B	1984

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	88.	69. - 132.
GC FID Surrogate	94.0	50. - 150.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	92.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17311  
Sample ID: MW4  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
 ROB SAUR  
 601 NORTH McDOWELL BLVD.  
 PETALUMA, CA 94954

Lab Number: 05-A17312  
 Sample ID: MW5  
 Sample Type: Water  
 Site ID: 10-HMG

Project: 256113X  
 Project Name: EXXONMOBIL 10-HMG  
 Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
 Time Collected: 14:15  
 Date Received: 2/ 8/05  
 Time Received: 8:10  
 Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis		Analyst	Method	Batch
					Date	Time			
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	0.80	ug/l	0.50	1.0	2/10/05	19:47	I. Ahmed	8021B	1767
**Ethylbenzene	ND	ug/l	0.5	1.0	2/10/05	19:47	I. Ahmed	8021B	1767
**Toluene	ND	ug/l	0.5	1.0	2/10/05	19:47	I. Ahmed	8021B	1767
**Xylenes (Total)	ND	ug/l	0.5	1.0	2/10/05	19:47	I. Ahmed	8021B	1767
**Methyl-t-butylether	0.7	ug/l	0.5	1.0	2/10/05	19:47	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	53.6	ug/l	50.0	1.0	2/10/05	19:47	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Benzene	0.70	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**tert-Butylbenzene	0.60	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17312  
Sample ID: MW5  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	13.3	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Ethylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Isopropylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Naphthalene	ND	ug/l	2.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**n-Propylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Tetrachloroethene	40.1	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17312  
Sample ID: MW5  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Trichloroethene	8.60	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Vinyl chloride	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Kylenes (Total)	1.80	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/10/05	0:05	M.Himelick	8260B	4108
**Diisopropyl ether	0.90	ug/l	0.50	1.0	2/10/05	0:05	M.Himelick	8260/SA05-77	4108
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	18:35	K. Roberso	8015B	1986

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	69. - 132.
GC FID Surrogate	97.0	50. - 150.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	91.	79. - 113.
VOA Surr, 4-BFB	92.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

Sample report continued . . .

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## ***ANALYTICAL REPORT***

Laboratory Number: 05-A17312  
Sample ID: MW5  
Project: 256113X  
Page 4

### **LABORATORY COMMENTS:**

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17313  
Sample ID: MW6  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 14:30  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	378.	ug/l	10.0	20.0	2/11/05	9:37	I. Ahmed	8021B	4183
**Ethylbenzene	480.	ug/l	10.0	20.0	2/11/05	9:37	I. Ahmed	8021B	4183
**Toluene	41.5	ug/l	0.5	1.0	2/10/05	20:18	I. Ahmed	8021B	1767
**Xylenes (Total)	1320	ug/l	10.0	20.0	2/11/05	9:37	I. Ahmed	8021B	4183
**Methyl-t-butylether	10.9	ug/l	0.5	1.0	2/10/05	20:18	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	10500	ug/l	1000	20.0	2/11/05	9:37	I. Ahmed	8015B	4183
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Benzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Bromo-chloromethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**n-Butylbenzene	28.0	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**sec-Butylbenzene	8.80	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**tert-Butylbenzene	8.80	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17313  
Sample ID: MW6  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	7.10	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Ethylbenzene	595.	ug/l	5.00	10.0	2/10/05	10:32	M.Himelick	8260B	4125
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Isopropylbenzene	50.7	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**p-Isopropyltoluene	6.50	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Naphthalene	186.	ug/l	25.0	10.0	2/10/05	10:32	M.Himelick	8260B	4125
**n-Propylbenzene	120.	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Tetrachloroethene	9.50	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17313  
Sample ID: MW6  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Toluene	43.6	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Trichloroethylene	4.00	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	1210	ug/l	5.00	10.0	2/10/05	10:32	M.Himelick	8260B	4125
**1,3,5-Trimethylbenzene	188.	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Vinyl chloride	0.90	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Xylenes (Total)	1630	ug/l	5.00	10.0	2/10/05	10:32	M.Himelick	8260B	4125
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/10/05	0:39	M.Himelick	8260B	4108
**Diisopropyl ether	1.10	ug/l	0.50	1.0	2/10/05	0:39	M.Himelick	8260/SA05-77	4108
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	18:47	K. Roberso	8015B	1986

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	69. - 132.
GC FID Surrogate	104.	50. - 150.
VOA Surr 1,2-DCA-d4	92.	73. - 127.
VOA Surr Toluene-d8	87.	79. - 113.
VOA Surr, 4-BFB	91.	79. - 125.
VOA Surr, DBFM	92.	75. - 134.

Sample report continued . . .

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## ***ANALYTICAL REPORT***

Laboratory Number: 05-A17313  
Sample ID: MW6  
Project: 256113X  
Page 4

### **LABORATORY COMMENTS:**

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

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## ANALYTICAL REPORT

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17314  
Sample ID: MW7  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 9:35  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	4.40	ug/l	0.50	1.0	2/11/05	10:09	I. Ahmed	8021B	4183
**Ethylbenzene	8.7	ug/l	0.5	1.0	2/11/05	10:09	I. Ahmed	8021B	4183
**Toluene	1.2	ug/l	0.5	1.0	2/11/05	10:09	I. Ahmed	8021B	4183
**Xylenes (Total)	19.9	ug/l	0.5	1.0	2/11/05	10:09	I. Ahmed	8021B	4183
**Methyl-t-butylether	0.6	ug/l	0.5	1.0	2/10/05	20:49	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	188.	ug/l	50.0	1.0	2/11/05	10:09	I. Ahmed	8015B	4183
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Acetone	ND	ug/l	50.0	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Benzene	4.00	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Bromobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Bromo-chloromethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Bromoform	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Bromomethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**2-Butanone	ND	ug/l	25.0	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**tert-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Carbon disulfide	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Chlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Chloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17314  
Sample ID: MW7  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Chloromethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Dibromomethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**cis-1,2-Dichloroethene	16.7	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Ethylbenzene	9.70	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**2-Hexanone	ND	ug/l	10.0	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Isopropylbenzene	1.00	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Methylene chloride	ND	ug/l	2.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Naphthalene	ND	ug/l	2.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**n-Propylbenzene	0.70	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Styrene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Tetrachloroethene	137.	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125

Sample report continued . . .

**ANALYTICAL REPORT**

Laboratory Number: 05-A17314  
Sample ID: MW7  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Toluene	1.00	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Trichloroethylene	22.1	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,2,4-Trimethylbenzene	9.50	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**1,3,5-Trimethylbenzene	2.30	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Vinyl chloride	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Xylenes (Total)	23.9	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260B	4125
Ethanol	ND	ug/L	50.0	1.0	2/10/05	9:58	M.Himelick	8260B	4125
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/10/05	9:58	M.Himelick	8260/SA05-77	4125
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	18:54	K. Roberso	8015B	1986

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	69. - 132.
GC FID Surrogate	99.0	50. - 150.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	85.	79. - 113.
VOA Surr, 4-BFB	91.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17314  
Sample ID: MW7  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

**ANALYTICAL REPORT**

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17315  
Sample ID: MW8  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 10:15  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report	Dil	Analysis	Analysis	Batch
			Limit	Factor	Date	Time	
<b>*ORGANIC PARAMETERS*</b>							
**Benzene	ND	ug/l	0.50	1.0	2/10/05	21:20	I. Ahmed 8021B 1767
**Ethylbenzene	0.5	ug/l	0.5	1.0	2/11/05	10:40	I. Ahmed 8021B 4183
**Toluene	ND	ug/l	0.5	1.0	2/10/05	21:20	I. Ahmed 8021B 1767
**Xylenes (Total)	1.2	ug/l	0.5	1.0	2/11/05	10:40	I. Ahmed 8021B 4183
**Methyl-t-butylether	ND	ug/l	0.5	1.0	2/10/05	21:20	I. Ahmed 8021B 1767
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	2/10/05	21:20	I. Ahmed 8015B 1767
<b>*VOLATILE ORGANICS*</b>							
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Acetone	ND	ug/l	50.0	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Benzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Bromobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Bromoform	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Bromomethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**2-Butanone	ND	ug/l	25.0	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**tert-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Carbon disulfide	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Chlorobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125
**Chloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick 8260B 4125

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17315  
Sample ID: MW8  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Chloromethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Dibromomethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**cis-1,2-Dichloroethene	1.20	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Ethylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**2-Hexanone	ND	ug/l	10.0	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Isopropylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Methylene chloride	ND	ug/l	2.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Naphthalene	ND	ug/l	2.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**n-Propylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Styrene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Tetrachloroethene	16.8	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125

Sample report continued . . .

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**ANALYTICAL REPORT**

Laboratory Number: 05-A17315  
Sample ID: MW8  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Analysis Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Trichloroethene	1.10	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,2,4-Trimethylbenzene	0.70	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Vinyl chloride	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Xylenes (Total)	2.30	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260B	4125
Ethanol	ND	ug/l	50.0	1.0	2/10/05	8:51	M.Himelick	8260B	4125
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/10/05	8:51	M.Himelick	8260/SA05-77	4125
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	19:00	K. Roberso	8015B	1986

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	87.	69. - 132.
GC FID Surrogate	103.	50. - 150.
VOA Surr 1,2-DCA-d4	95.	73. - 127.
VOA Surr Toluene-d8	90.	79. - 113.
VOA Surr, 4-BFB	92.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17315  
Sample ID: MW8  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

**ANALYTICAL REPORT**

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Purchase Order: 4505891273

Lab Number: 05-A17316  
Sample ID: MW9  
Sample Type: Water  
Site ID: 10-HMG

Date Collected: 2/ 2/05  
Time Collected: 15:50  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	ND	ug/l	0.50	1.0	2/10/05	21:51	I. Ahmed	8021B	1767
**Ethylbenzene	ND	ug/l	0.5	1.0	2/10/05	21:51	I. Ahmed	8021B	1767
**Toluene	ND	ug/l	0.5	1.0	2/10/05	21:51	I. Ahmed	8021B	1767
**Xylenes (Total)	ND	ug/l	0.5	1.0	2/10/05	21:51	I. Ahmed	8021B	1767
**Methyl-t-butylether	ND	ug/l	0.5	1.0	2/10/05	21:51	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	2/10/05	21:51	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Acetone	ND	ug/l	50.0	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Benzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Bromobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Bromoform	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Bromomethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**2-Butanone	ND	ug/l	25.0	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**tert-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Carbon disulfide	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Chlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Chloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125

Sample report continued . . .

**ANALYTICAL REPORT**

Laboratory Number: 05-A17316  
Sample ID: MW9  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Chloromethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Dibromomethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**cis-1,2-Dichloroethene	2.20	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Ethylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**2-Hexanone	ND	ug/l	10.0	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Isopropylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Methylene chloride	ND	ug/l	2.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Naphthalene	ND	ug/l	2.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**n-Propylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Styrene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Tetrachloroethene	74.5	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 05-A17316  
Sample ID: MW9  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Analysis Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Trichloroethene	2.40	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Vinyl chloride	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Xylenes (Total)	1.50	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260B	4125
Ethanol	ND	ug/l	50.0	1.0	2/10/05	9:24	M.Himelick	8260B	4125
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/10/05	9:24	M.Himelick	8260/SA05-77	4125
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	19:06	K. Roberso	8015B	1986

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	69. - 132.
GC FID Surrogate	104.	50. - 150.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	86.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17316  
Sample ID: MW9  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

**ANALYTICAL REPORT**

ERI - NORTHERN CA 10228  
ROB SAUR  
601 NORTH McDOWELL BLVD.  
PETALUMA, CA 94954

Lab Number: 05-A17317  
Sample ID: MW10  
Sample Type: Water  
Site ID: 10-HMG

Project: 256113X  
Project Name: EXXONMOBIL 10-HMG  
Sampler: STEVE SCHURKE

Date Collected: 2/ 2/05  
Time Collected: 13:35  
Date Received: 2/ 8/05  
Time Received: 8:10  
Page: 1

Purchase Order: 4505891273

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
<b>*ORGANIC PARAMETERS*</b>									
**Benzene	ND	ug/l	0.50	1.0	2/10/05	22:23	I. Ahmed	8021B	1767
**Ethylbenzene	ND	ug/l	0.5	1.0	2/10/05	22:23	I. Ahmed	8021B	1767
**Toluene	ND	ug/l	0.5	1.0	2/10/05	22:23	I. Ahmed	8021B	1767
**Xylenes (Total)	ND	ug/l	0.5	1.0	2/10/05	22:23	I. Ahmed	8021B	1767
**Methyl-t-butylether	ND	ug/l	0.5	1.0	2/10/05	22:23	I. Ahmed	8021B	1767
**TPH (Gasoline Range)	267.	ug/l	50.0	1.0	2/10/05	22:23	I. Ahmed	8015B	1767
<b>*VOLATILE ORGANICS*</b>									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**tert-amyl methyl ether	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Acetone	ND	ug/l	50.0	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Benzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Bromobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Bromochloromethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Bromoform	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Bromomethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**2-Butanone	ND	ug/l	25.0	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**n-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**sec-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**tert-Butylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Carbon disulfide	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Carbon tetrachloride	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Chlorobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Chloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108

Sample report continued . . .

**ANALYTICAL REPORT**

Laboratory Number: 05-A17317  
Sample ID: MW10  
Project: 256113X  
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Chloroform	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Chloromethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**2-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**4-Chlorotoluene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2-Dibromo-3-chloropropane	ND	ug/l	1.00	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Dibromochloromethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Dibromomethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,3-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,4-Dichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Dichlorodifluoromethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**cis-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,3-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**2,2-Dichloropropane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Ethylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Hexachlorobutadiene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**2-Hexanone	ND	ug/l	10.0	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Isopropylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**p-Isopropyltoluene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**4-Methyl-2-pentanone	ND	ug/l	10.0	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Methylene chloride	ND	ug/l	2.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Naphthalene	ND	ug/l	2.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**n-Propylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Styrene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Tetrachloroethene	800.	ug/l	10.0	20.0	2/10/05	11:39	M.Himelick	8260B	4125

Sample report continued . . .

**ANALYTICAL REPORT**

Laboratory Number: 05-A17317  
Sample ID: MW10  
Project: 256113X  
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
**Toluene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2,3-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2,4-Trichlorobenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Trichloroethylene	1.20	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,2,4-Trimethylbenzene	0.60	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Vinyl chloride	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Xylenes (Total)	1.90	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Bromodichloromethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Trichlorofluoromethane	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260B	4108
Ethanol	ND	ug/L	50.0	1.0	2/10/05	2:54	M.Himelick	8260B	4108
**Diisopropyl ether	ND	ug/l	0.50	1.0	2/10/05	2:54	M.Himelick	8260/SA05-77	4108
*MISCELLANEOUS GC PARAMETERS*									
**Methanol	ND	ug/l	10000	1.0	2/10/05	19:12	K. Roberso	8015B	1986

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	89.	69. - 132.
GC FID Surrogate	100.	50. - 150.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	83.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

Sample report continued . . .

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## ANALYTICAL REPORT

Laboratory Number: 05-A17317  
Sample ID: MW10  
Project: 256113X  
Page 4

### LABORATORY COMMENTS:

ND = Not detected at the report limit.  
B = Analyte was detected in the method blank.  
J = Estimated Value below Report Limit.  
E = Estimated Value above the calibration limit of the instrument.  
# = Recovery outside Laboratory historical or method prescribed limits.  
\*\* = NELAC E87358 Certified Analyte

End of Sample Report.

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**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 1

**Laboratory Receipt Date:** 2/ 8/05

**Matrix Spike Recovery**

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
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**\*\*UST ANALYSIS\*\***

Benzene	mg/l	< 0.00050	0.0487	0.0500	97	50. - 160.	1767	blank
Toluene	mg/l	< 0.0005	0.0485	0.0500	97	51. - 157.	1767	blank
Ethylbenzene	mg/l	< 0.0005	0.0487	0.0500	97	47. - 159.	1767	blank
Xylenes (Total)	mg/l	< 0.0005	0.0951	0.100	95	51. - 152.	1767	blank
Methyl-t-butylether	mg/l	< 0.0005	0.0472	0.0500	94	36. - 159.	1767	blank
TPH (Gasoline Range)	mg/l	< 0.0500	0.975	1.00	98	43. - 150.	1767	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				90	69 - 132	1767	

**\*\*VOA PARAMETERS\*\***

Benzene	mg/l	< 0.00025	0.0501	0.0500	100	62 - 143	4108	blank
Benzene	mg/l	< 0.00025	0.0501	0.0500	100	62 - 143	4125	blank
Chlorobenzene	mg/l	< 0.00019	0.0482	0.0500	96	63 - 142	4108	blank
Chlorobenzene	mg/l	< 0.00019	0.0482	0.0500	96	63 - 142	4125	blank
1,1-Dichloroethene	mg/l	< 0.00029	0.0501	0.0500	100	62 - 152	4108	blank
1,1-Dichloroethene	mg/l	< 0.00029	0.0501	0.0500	100	62 - 152	4125	blank
Toluene	mg/l	< 0.00017	0.0513	0.0500	103	63 - 141	4108	blank
Toluene	mg/l	< 0.00017	0.0513	0.0500	103	63 - 141	4125	blank
Trichloroethene	mg/l	< 0.00027	0.0505	0.0500	101	62 - 160	4108	blank
Trichloroethene	mg/l	< 0.00027	0.0505	0.0500	101	62 - 160	4125	blank
VOA Surr 1,2-DCA-d4	% Rec				91	73 - 127	4108	
VOA Surr 1,2-DCA-d4	% Rec				91	73 - 127	4125	
VOA Surr Toluene-d8	% Rec				88	79 - 113	4108	
VOA Surr Toluene-d8	% Rec				88	79 - 113	4125	
VOA Surr, 4-BFB	% Rec				88	79 - 125	4108	
VOA Surr, 4-BFB	% Rec				88	79 - 125	4125	
VOA Surr, DBFM	% Rec				93	75 - 134	4108	
VOA Surr, DBFM	% Rec				93	75 - 134	4125	

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 2

**Laboratory Receipt Date:** 2/ 8/05

Methanol	mg/l	< 10.0	43.1	50.0	86	52. - 133.	1984	05-A17239
Methanol	mg/l	< 10.0	52.0	50.0	104	52. - 133.	1986	05-A17312

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
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**\*\*UST PARAMETERS\*\***

Benzene	mg/l	0.0487	0.0488	0.21	30.	1767
Toluene	mg/l	0.0485	0.0485	0.00	37.	1767
Ethylbenzene	mg/l	0.0487	0.0489	0.41	38.	1767
Xylenes (Total)	mg/l	0.0951	0.0958	0.73	33.	1767
Methyl-t-butylether	mg/l	0.0472	0.0472	0.00	34.	1767
TPH (Gasoline Range)	mg/l	0.975	0.901	7.89	27.	1767
BTEX/GRO Surr., a,a,a-TFT	% Recovery		90.			1767

**\*\*VOA PARAMETERS\*\***

Benzene	mg/l	0.0501	0.0508	1.39	27.	4108
Benzene	mg/l	0.0501	0.0508	1.39	27.	4125
Chlorobenzene	mg/l	0.0482	0.0488	1.24	28.	4108
Chlorobenzene	mg/l	0.0482	0.0488	1.24	28.	4125
1,1-Dichloroethene	mg/l	0.0501	0.0516	2.95	28.	4108
1,1-Dichloroethene	mg/l	0.0501	0.0516	2.95	28.	4125
Toluene	mg/l	0.0513	0.0514	0.19	34.	4108
Toluene	mg/l	0.0513	0.0514	0.19	34.	4125
Trichloroethene	mg/l	0.0505	0.0532	5.21	31.	4108
Trichloroethene	mg/l	0.0505	0.0532	5.21	31.	4125
Tetrachloroethene	mg/l	0.0516	0.0487	5.78	27.	4108
Tetrachloroethene	mg/l	0.0516	0.0487	5.78	27.	4125

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 3

**Laboratory Receipt Date:** 2/ 8/05

VOA Surr 1,2-DCA-d4	% Rec	89.			4108
VOA Surr 1,2-DCA-d4	% Rec	89.			4125
VOA Surr Toluene-d8	% Rec	87.			4108
VOA Surr Toluene-d8	% Rec	87.			4125
VOA Surr, 4-BFB	% Rec	89.			4108
VOA Surr, 4-BFB	% Rec	89.			4125
VOA Surr, DBFM	% Rec	93.			4108
VOA Surr, DBFM	% Rec	93.			4125

**\*\*MISC PARAMETERS\*\***

Methanol	mg/l	43.1	49.4	13.62	50	1984
Methanol	mg/l	52.0	51.1	1.75	50	1986

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
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**\*\*UST PARAMETERS\*\***

Benzene	mg/l	0.100	0.0870	87	72 - 118	1767
Benzene	mg/l	0.100	0.0799	80	72 - 118	4183
Toluene	mg/l	0.100	0.0869	87	72 - 119	1767
Toluene	mg/l	0.100	0.0801	80	72 - 119	4183
Ethylbenzene	mg/l	0.100	0.0870	87	71 - 119	1767
Ethylbenzene	mg/l	0.100	0.0797	80	71 - 119	4183
Xylenes (Total)	mg/l	0.200	0.172	86	70 - 117	1767
Xylenes (Total)	mg/l	0.200	0.158	79	70 - 117	4183
Methyl-t-butylether	mg/l	0.100	0.0865	86	57 - 127	1767
TPH (Gasoline Range)	mg/l	1.00	0.975	98	64 - 130	1767
TPH (Gasoline Range)	mg/l	1.00	0.975	98	64 - 130	4183

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 4

**Laboratory Receipt Date:** 2/ 8/05

BTEX/GRO Surr., a,a,a-TFT	% Recovery		90	69 - 132	1767
BTEX/GRO Surr., a,a,a-TFT	% Recovery		89	69 - 132	4183
<b>**VOA PARAMETERS**</b>					
Ethyl-t-butylether	mg/l	0.0500	0.0527	105	67 - 140
Ethyl-t-butylether	mg/l	0.0500	0.0567	113	67 - 140
tert-amyl methyl ether	mg/L	0.0500	0.0526	105	68 - 134
tert-amyl methyl ether	mg/L	0.0500	0.0556	111	68 - 134
Tertiary butyl alcohol	mg/l	0.500	0.739	148	28 - 182
Tertiary butyl alcohol	mg/l	0.500	0.821	164	28 - 182
Acetone	mg/l	0.250	0.239	96	61 - 142
Acetone	mg/l	0.250	0.271	108	61 - 142
Benzene	mg/l	0.0500	0.0498	100	78 - 123
Benzene	mg/l	0.0500	0.0534	107	78 - 123
Bromobenzene	mg/l	0.0500	0.0478	96	72 - 125
Bromobenzene	mg/l	0.0500	0.0508	102	72 - 125
Bromochloromethane	mg/l	0.0500	0.0498	100	70 - 138
Bromoform	mg/l	0.0500	0.0540	108	70 - 138
Bromoform	mg/l	0.0500	0.0463	93	58 - 131
Bromomethane	mg/l	0.0500	0.0494	99	58 - 131
Bromomethane	mg/l	0.0500	0.0592	118	53 - 169
Bromomethane	mg/l	0.0500	0.0642	128	53 - 169
2-Butanone	mg/l	0.250	0.276	110	66 - 136
2-Butanone	mg/l	0.250	0.288	115	66 - 136
n-Butylbenzene	mg/l	0.0500	0.0476	95	65 - 138
n-Butylbenzene	mg/l	0.0500	0.0484	97	65 - 138
sec-Butylbenzene	mg/l	0.0500	0.0502	100	71 - 134
sec-Butylbenzene	mg/l	0.0500	0.0527	105	71 - 134
tert-Butylbenzene	mg/l	0.0500	0.0485	97	75 - 132
tert-Butylbenzene	mg/l	0.0500	0.0511	102	75 - 132
Carbon disulfide	mg/l	0.0500	0.0506	101	75 - 133
Carbon disulfide	mg/l	0.0500	0.0529	106	75 - 133
Carbon tetrachloride	mg/l	0.0500	0.0525	105	75 - 139
Carbon tetrachloride	mg/l	0.0500	0.0550	110	75 - 139
Chlorobenzene	mg/l	0.0500	0.0477	95	80 - 123
Chlorobenzene	mg/l	0.0500	0.0511	102	80 - 123
Chloroethane	mg/l	0.0500	0.0505	101	56 - 152

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 5

**Laboratory Receipt Date:** 2/ 8/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Chloroethane	mg/l	0.0500	0.0544	109	56 - 152	4125
Chloroform	mg/l	0.0500	0.0476	95	74 - 127	4108
Chloroform	mg/l	0.0500	0.0513	103	74 - 127	4125
Chloromethane	mg/l	0.0500	0.0524	105	36 - 155	4108
Chloromethane	mg/l	0.0500	0.0573	115	36 - 155	4125
2-Chlorotoluene	mg/l	0.0500	0.0506	101	72 - 132	4108
2-Chlorotoluene	mg/l	0.0500	0.0546	109	72 - 132	4125
4-Chlorotoluene	mg/l	0.0500	0.0525	105	76 - 130	4108
4-Chlorotoluene	mg/l	0.0500	0.0560	112	76 - 130	4125
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0561	112	62 - 132	4108
1,2-Dibromo-3-chloropropane	mg/l	0.0500	0.0590	118	62 - 132	4125
Dibromochloromethane	mg/l	0.0500	0.0492	98	72 - 129	4108
Dibromochloromethane	mg/l	0.0500	0.0531	106	72 - 129	4125
1,2-Dibromoethane	mg/l	0.0500	0.0505	101	72 - 135	4108
1,2-Dibromoethane	mg/l	0.0500	0.0541	108	72 - 135	4125
Dibromomethane	mg/l	0.0500	0.0506	101	75 - 130	4108
Dibromomethane	mg/l	0.0500	0.0534	107	75 - 130	4125
1,2-Dichlorobenzene	mg/l	0.0500	0.0512	102	80 - 129	4108
1,2-Dichlorobenzene	mg/l	0.0500	0.0545	109	80 - 129	4125
1,3-Dichlorobenzene	mg/l	0.0500	0.0497	99	81 - 124	4108
1,3-Dichlorobenzene	mg/l	0.0500	0.0529	106	81 - 124	4125
1,4-Dichlorobenzene	mg/l	0.0500	0.0464	93	79 - 124	4108
1,4-Dichlorobenzene	mg/l	0.0500	0.0493	99	79 - 124	4125
Dichlorodifluoromethane	mg/l	0.0500	0.0574	115	34 - 163	4108
Dichlorodifluoromethane	mg/l	0.0500	0.0596	119	34 - 163	4125
1,1-Dichloroethane	mg/l	0.0500	0.0495	99	76 - 129	4108
1,1-Dichloroethane	mg/l	0.0500	0.0538	108	76 - 129	4125
1,2-Dichloroethane	mg/l	0.0500	0.0498	100	73 - 130	4108
1,2-Dichloroethane	mg/l	0.0500	0.0531	106	73 - 130	4125
1,1-Dichloroethene	mg/l	0.0500	0.0502	100	76 - 134	4108
1,1-Dichloroethene	mg/l	0.0500	0.0540	108	76 - 134	4125

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 6

**Laboratory Receipt Date:** 2/ 8/05

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
cis-1,2-Dichloroethene	mg/l	0.0500	0.0501	100	69 - 134	4108
cis-1,2-Dichloroethene	mg/l	0.0500	0.0535	107	69 - 134	4125
trans-1,2-Dichloroethene	mg/l	0.0500	0.0504	101	70 - 136	4108
trans-1,2-Dichloroethene	mg/l	0.0500	0.0543	109	70 - 136	4125
1,2-Dichloropropane	mg/l	0.0500	0.0494	99	81 - 126	4108
1,2-Dichloropropane	mg/l	0.0500	0.0528	106	81 - 126	4125
1,3-Dichloropropane	mg/l	0.0500	0.0498	100	75 - 127	4108
1,3-Dichloropropane	mg/l	0.0500	0.0533	107	75 - 127	4125
2,2-Dichloropropane	mg/l	0.0500	0.0492	98	42 - 146	4108
2,2-Dichloropropane	mg/l	0.0500	0.0460	92	42 - 146	4125
1,1-Dichloropropene	mg/l	0.0500	0.0507	101	80 - 127	4108
1,1-Dichloropropene	mg/l	0.0500	0.0543	109	80 - 127	4125
cis-1,3-Dichloropropene	mg/l	0.0500	0.0517	103	62 - 135	4108
cis-1,3-Dichloropropene	mg/l	0.0500	0.0548	110	62 - 135	4125
trans-1,3-Dichloropropene	mg/l	0.0500	0.0455	91	59 - 131	4108
trans-1,3-Dichloropropene	mg/l	0.0500	0.0473	95	59 - 131	4125
Ethylbenzene	mg/l	0.0500	0.0543	109	80 - 124	4108
Ethylbenzene	mg/l	0.0500	0.0577	115	80 - 124	4125
Hexachlorobutadiene	mg/l	0.0500	0.0485	97	66 - 136	4108
Hexachlorobutadiene	mg/l	0.0500	0.0491	98	66 - 136	4125
2-Hexanone	mg/l	0.250	0.251	100	66 - 139	4108
2-Hexanone	mg/l	0.250	0.263	105	66 - 139	4125
Isopropylbenzene	mg/l	0.0500	0.0481	96	81 - 129	4108
Isopropylbenzene	mg/l	0.0500	0.0508	102	81 - 129	4125
p-Isopropyltoluene	mg/l	0.0500	0.0513	103	73 - 132	4108
p-Isopropyltoluene	mg/l	0.0500	0.0535	107	73 - 132	4125
4-Methyl-2-pentanone	mg/l	0.250	0.256	102	69 - 138	4108
4-Methyl-2-pentanone	mg/l	0.250	0.268	107	69 - 138	4125
Methylene chloride	mg/l	0.0500	0.0527	105	73 - 139	4108
Methylene chloride	mg/l	0.0500	0.0561	112	73 - 139	4125
Naphthalene	mg/l	0.0500	0.0529	106	62 - 144	4108

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 7

**Laboratory Receipt Date:** 2/ 8/05

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.0500	0.0553	111	62 - 144	4125
n-Propylbenzene	mg/l	0.0500	0.0549	110	72 - 134	4108
n-Propylbenzene	mg/l	0.0500	0.0574	115	72 - 134	4125
Styrene	mg/l	0.0500	0.0478	96	82 - 129	4108
Styrene	mg/l	0.0500	0.0500	100	82 - 129	4125
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0508	102	71 - 129	4108
1,1,1,2-Tetrachloroethane	mg/l	0.0500	0.0548	110	71 - 129	4125
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0471	94	66 - 136	4108
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0456	91	66 - 136	4125
Tetrachloroethene	mg/l	0.0500	0.0466	93	80 - 128	4108
Tetrachloroethene	mg/l	0.0500	0.0500	100	80 - 128	4125
Toluene	mg/l	0.0500	0.0500	100	77 - 124	4108
Toluene	mg/l	0.0500	0.0540	108	77 - 124	4125
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0565	113	70 - 134	4108
1,2,3-Trichlorobenzene	mg/l	0.0500	0.0592	118	70 - 134	4125
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0561	112	67 - 137	4108
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0591	118	67 - 137	4125
1,1,1-Trichloroethane	mg/l	0.0500	0.0509	102	76 - 131	4108
1,1,1-Trichloroethane	mg/l	0.0500	0.0540	108	76 - 131	4125
1,1,2-Trichloroethane	mg/l	0.0500	0.0468	94	79 - 123	4108
1,1,2-Trichloroethane	mg/l	0.0500	0.0504	101	79 - 123	4125
Trichloroethene	mg/l	0.0500	0.0496	99	78 - 140	4108
Trichloroethene	mg/l	0.0500	0.0569	114	78 - 140	4125
1,2,3-Trichloropropane	mg/l	0.0500	0.0544	109	57 - 134	4108
1,2,3-Trichloropropane	mg/l	0.0500	0.0571	114	57 - 134	4125
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0488	98	75 - 129	4108
1,2,4-Trimethylbenzene	mg/l	0.0500	0.0521	104	75 - 129	4125
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0481	96	79 - 127	4108
1,3,5-Trimethylbenzene	mg/l	0.0500	0.0512	102	79 - 127	4125
Vinyl chloride	mg/l	0.0500	0.0536	107	53 - 148	4108
Vinyl chloride	mg/l	0.0500	0.0575	115	53 - 148	4125

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 8

**Laboratory Receipt Date:** 2/ 8/05

**Laboratory Control Data**

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/l	0.150	0.145	97	81 - 124	4108
Xylenes (Total)	mg/l	0.150	0.154	103	81 - 124	4125
Bromodichloromethane	mg/l	0.0500	0.0506	101	79 - 132	4108
Bromodichloromethane	mg/l	0.0500	0.0532	106	79 - 132	4125
Trichlorofluoromethane	mg/l	0.0500	0.0498	100	53 - 151	4108
Trichlorofluoromethane	mg/l	0.0500	0.0542	108	53 - 151	4125
Methyl-t-butyl ether	mg/l	0.0500	0.0548	110	69 - 136	4108
Methyl-t-butyl ether	mg/l	0.0500	0.0586	117	69 - 136	4125
Ethanol	mg/L	5.00	9.50	190 #	48 - 164	4108
Ethanol	mg/L	5.00	8.41	168 #	48 - 164	4125
Diisopropyl ether	mg/l	0.0500	0.0520	104	65 - 140	4108
Diisopropyl ether	mg/l	0.0500	0.0553	111	65 - 140	4125
Méthanol	mg/l	50.0	44.1	88	69 - 125	1984
Methanol	mg/l	50.0	49.8	100	69 - 125	1986
VOA Surr 1,2-DCA-d4	% Rec			90	73 - 127	4108
VOA Surr 1,2-DCA-d4	% Rec			89	73 - 127	4125
VOA Surr Toluene-d8	% Rec			87	79 - 113	4108
VOA Surr Toluene-d8	% Rec			88	79 - 113	4125
VOA Surr, 4-BFB	% Rec			89	79 - 125	4108
VOA Surr, 4-BFB	% Rec			90	79 - 125	4125
VOA Surr, DBFM	% Rec			93	75 - 134	4108
VOA Surr, DBFM	% Rec			92	75 - 134	4125

**Duplicates**

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

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**Laboratory Receipt Date:** 2/ 8/05

**Blank Data**

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
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**\*\*UST PARAMETERS\*\***

Benzene	< 0.00050	mg/l	1767	2/10/05	16:43
Benzene	< 0.00050	mg/l	4183	2/11/05	6:11
Toluene	< 0.0005	mg/l	1767	2/10/05	16:43
Toluene	< 0.0005	mg/l	4183	2/11/05	6:11
Ethylbenzene	< 0.0005	mg/l	1767	2/10/05	16:43
Ethylbenzene	< 0.0005	mg/l	4183	2/11/05	6:11
Xylenes (Total)	< 0.0005	mg/l	1767	2/10/05	16:43
Xylenes (Total)	< 0.0005	mg/l	4183	2/11/05	6:11
Methyl-t-butylether	< 0.0005	mg/l	1767	2/10/05	16:43
TPH (Gasoline Range)	< 0.0500	mg/l	1767	2/10/05	16:43
TPH (Gasoline Range)	< 0.0500	mg/l	4183	2/11/05	6:11
BTEX/GRO Surr., a,a,a-TFT	88.	% Recovery	1767	2/10/05	16:43
BTEX/GRO Surr., a,a,a-TFT	89.	% Recovery	4183	2/11/05	6:11

**\*\*VOA PARAMETERS\*\***

Ethyl-t-butylether	< 0.00027	mg/l	4108	2/ 9/05	20:09
Ethyl-t-butylether	< 0.00027	mg/l	4125	2/10/05	7:57
tert-amyl methyl ether	< 0.00030	mg/L	4108	2/ 9/05	20:09
tert-amyl methyl ether	< 0.00030	mg/L	4125	2/10/05	7:57
Tertiary butyl alcohol	< 0.00428	mg/l	4108	2/ 9/05	20:09
Tertiary butyl alcohol	< 0.00428	mg/l	4125	2/10/05	7:57
Acetone	< 0.00217	mg/l	4108	2/ 9/05	20:09
Acetone	< 0.00217	mg/l	4125	2/10/05	7:57
Benzene	< 0.00025	mg/l	4108	2/ 9/05	20:09
Benzene	< 0.00025	mg/l	4125	2/10/05	7:57
Bromobenzene	< 0.00019	mg/l	4108	2/ 9/05	20:09
Bromobenzene	< 0.00019	mg/l	4125	2/10/05	7:57
Bromoform	< 0.00039	mg/l	4108	2/ 9/05	20:09

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

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**Laboratory Receipt Date:** 2/ 8/05

**Blank Data**

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Bromoform	< 0.00017	mg/l	4108	2/ 9/05	20:09
Bromoform	< 0.00017	mg/l	4125	2/10/05	7:57
Bromomethane	< 0.00031	mg/l	4108	2/ 9/05	20:09
Bromomethane	< 0.00031	mg/l	4125	2/10/05	7:57
2-Butanone	< 0.00336	mg/l	4108	2/ 9/05	20:09
2-Butanone	< 0.00336	mg/l	4125	2/10/05	7:57
n-Butylbenzene	< 0.00015	mg/l	4108	2/ 9/05	20:09
n-Butylbenzene	< 0.00015	mg/l	4125	2/10/05	7:57
sec-Butylbenzene	< 0.00043	mg/l	4108	2/ 9/05	20:09
sec-Butylbenzene	< 0.00043	mg/l	4125	2/10/05	7:57
tert-Butylbenzene	< 0.00035	mg/l	4108	2/ 9/05	20:09
tert-Butylbenzene	< 0.00035	mg/l	4125	2/10/05	7:57
Carbon disulfide	< 0.00022	mg/l	4108	2/ 9/05	20:09
Carbon disulfide	< 0.00022	mg/l	4125	2/10/05	7:57
Carbon tetrachloride	< 0.00035	mg/l	4108	2/ 9/05	20:09
Carbon tetrachloride	< 0.00035	mg/l	4125	2/10/05	7:57
Chlorobenzene	< 0.00019	mg/l	4108	2/ 9/05	20:09
Chlorobenzene	< 0.00019	mg/l	4125	2/10/05	7:57
Chloroethane	< 0.00024	mg/l	4108	2/ 9/05	20:09
Chloroethane	< 0.00024	mg/l	4125	2/10/05	7:57
Chloroform	< 0.00038	mg/l	4108	2/ 9/05	20:09
Chloroform	< 0.00038	mg/l	4125	2/10/05	7:57
Chloromethane	< 0.00040	mg/l	4108	2/ 9/05	20:09
Chloromethane	< 0.00040	mg/l	4125	2/10/05	7:57
2-Chlorotoluene	< 0.00019	mg/l	4108	2/ 9/05	20:09
2-Chlorotoluene	< 0.00019	mg/l	4125	2/10/05	7:57
4-Chlorotoluene	< 0.00020	mg/l	4108	2/ 9/05	20:09
4-Chlorotoluene	< 0.00020	mg/l	4125	2/10/05	7:57
1,2-Dibromo-3-chloropropane	< 0.00069	mg/l	4108	2/ 9/05	20:09
1,2-Dibromo-3-chloropropane	< 0.00069	mg/l	4125	2/10/05	7:57

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

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**Laboratory Receipt Date:** 2/ 8/05

**Blank Data**

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Dibromochloromethane	< 0.00029	mg/l	4108	2/ 9/05	20:09
Dibromochloromethane	< 0.00029	mg/l	4125	2/10/05	7:57
1,2-Dibromoethane	< 0.00023	mg/l	4108	2/ 9/05	20:09
1,2-Dibromoethane	< 0.00023	mg/l	4125	2/10/05	7:57
Dibromomethane	< 0.00038	mg/l	4108	2/ 9/05	20:09
Dibromomethane	< 0.00038	mg/l	4125	2/10/05	7:57
1,2-Dichlorobenzene	< 0.00025	mg/l	4108	2/ 9/05	20:09
1,2-Dichlorobenzene	< 0.00025	mg/l	4125	2/10/05	7:57
1,3-Dichlorobenzene	< 0.00034	mg/l	4108	2/ 9/05	20:09
1,3-Dichlorobenzene	< 0.00034	mg/l	4125	2/10/05	7:57
1,4-Dichlorobenzene	< 0.00033	mg/l	4108	2/ 9/05	20:09
1,4-Dichlorobenzene	< 0.00033	mg/l	4125	2/10/05	7:57
Dichlorodifluoromethane	< 0.00020	mg/l	4108	2/ 9/05	20:09
Dichlorodifluoromethane	< 0.00020	mg/l	4125	2/10/05	7:57
1,1-Dichloroethane	< 0.00025	mg/l	4108	2/ 9/05	20:09
1,1-Dichloroethane	< 0.00025	mg/l	4125	2/10/05	7:57
1,2-Dichloroethane	< 0.00039	mg/l	4108	2/ 9/05	20:09
1,2-Dichloroethane	< 0.00039	mg/l	4125	2/10/05	7:57
1,1-Dichloroethene	< 0.00029	mg/l	4108	2/ 9/05	20:09
1,1-Dichloroethene	< 0.00029	mg/l	4125	2/10/05	7:57
cis-1,2-Dichloroethene	< 0.00032	mg/l	4108	2/ 9/05	20:09
cis-1,2-Dichloroethene	< 0.00032	mg/l	4125	2/10/05	7:57
trans-1,2-Dichloroethene	< 0.00023	mg/l	4108	2/ 9/05	20:09
trans-1,2-Dichloroethene	< 0.00023	mg/l	4125	2/10/05	7:57
1,2-Dichloropropane	< 0.00029	mg/l	4108	2/ 9/05	20:09
1,2-Dichloropropane	< 0.00029	mg/l	4125	2/10/05	7:57
1,3-Dichloropropane	< 0.00025	mg/l	4108	2/ 9/05	20:09
1,3-Dichloropropane	< 0.00025	mg/l	4125	2/10/05	7:57
2,2-Dichloropropane	< 0.00041	mg/l	4108	2/ 9/05	20:09
2,2-Dichloropropane	< 0.00041	mg/l	4125	2/10/05	7:57
1,1-Dichloropropene	< 0.00017	mg/l	4108	2/ 9/05	20:09

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

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**Laboratory Receipt Date:** 2/ 8/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1-Dichloropropene	< 0.00017	mg/l	4125	2/10/05	7:57
cis-1,3-Dichloropropene	< 0.00020	mg/l	4108	2/ 9/05	20:09
cis-1,3-Dichloropropene	< 0.00020	mg/l	4125	2/10/05	7:57
trans-1,3-Dichloropropene	< 0.00023	mg/l	4108	2/ 9/05	20:09
trans-1,3-Dichloropropene	< 0.00023	mg/l	4125	2/10/05	7:57
Ethylbenzene	< 0.00019	mg/l	4108	2/ 9/05	20:09
Ethylbenzene	< 0.00019	mg/l	4125	2/10/05	7:57
Hexachlorobutadiene	< 0.00040	mg/l	4108	2/ 9/05	20:09
Hexachlorobutadiene	< 0.00040	mg/l	4125	2/10/05	7:57
2-Hexanone	< 0.00111	mg/l	4108	2/ 9/05	20:09
2-Hexanone	< 0.00111	mg/l	4125	2/10/05	7:57
Isopropylbenzene	< 0.00043	mg/l	4108	2/ 9/05	20:09
Isopropylbenzene	< 0.00043	mg/l	4125	2/10/05	7:57
p-Isopropyltoluene	< 0.00017	mg/l	4108	2/ 9/05	20:09
p-Isopropyltoluene	< 0.00017	mg/l	4125	2/10/05	7:57
4-Methyl-2-pentanone	< 0.00083	mg/l	4108	2/ 9/05	20:09
4-Methyl-2-pentanone	< 0.00083	mg/l	4125	2/10/05	7:57
Methylene chloride	< 0.00016	mg/l	4108	2/ 9/05	20:09
Methylene chloride	< 0.00016	mg/l	4125	2/10/05	7:57
Naphthalene	< 0.00110	mg/l	4108	2/ 9/05	20:09
Naphthalene	< 0.00110	mg/l	4125	2/10/05	7:57
n-Propylbenzene	< 0.00012	mg/l	4108	2/ 9/05	20:09
n-Propylbenzene	< 0.00012	mg/l	4125	2/10/05	7:57
Styrene	< 0.00041	mg/l	4108	2/ 9/05	20:09
Styrene	< 0.00041	mg/l	4125	2/10/05	7:57
1,1,1,2-Tetrachloroethane	< 0.00022	mg/l	4108	2/ 9/05	20:09
1,1,1,2-Tetrachloroethane	< 0.00022	mg/l	4125	2/10/05	7:57
1,1,2,2-Tetrachloroethane	< 0.00022	mg/l	4108	2/ 9/05	20:09
1,1,2,2-Tetrachloroethane	< 0.00022	mg/l	4125	2/10/05	7:57
Tetrachloroethene	< 0.00022	mg/l	4108	2/ 9/05	20:09
Tetrachloroethene	< 0.00022	mg/l	4125	2/10/05	7:57

Project QC continued . . .

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

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**Laboratory Receipt Date:** 2/ 8/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Toluene	< 0.00017	mg/l	4108	2/ 9/05	20:09
Toluene	< 0.00017	mg/l	4125	2/10/05	7:57
1,2,3-Trichlorobenzene	< 0.00029	mg/l	4108	2/ 9/05	20:09
1,2,3-Trichlorobenzene	< 0.00029	mg/l	4125	2/10/05	7:57
1,2,4-Trichlorobenzene	< 0.00026	mg/l	4108	2/ 9/05	20:09
1,2,4-Trichlorobenzene	< 0.00026	mg/l	4125	2/10/05	7:57
1,1,1-Trichloroethane	< 0.00036	mg/l	4108	2/ 9/05	20:09
1,1,1-Trichloroethane	< 0.00036	mg/l	4125	2/10/05	7:57
1,1,2-Trichloroethane	< 0.00022	mg/l	4108	2/ 9/05	20:09
1,1,2-Trichloroethane	< 0.00022	mg/l	4125	2/10/05	7:57
Trichloroethene	< 0.00027	mg/l	4108	2/ 9/05	20:09
Trichloroethene	< 0.00027	mg/l	4125	2/10/05	7:57
1,2,3-Trichloropropane	< 0.00022	mg/l	4108	2/ 9/05	20:09
1,2,3-Trichloropropane	< 0.00022	mg/l	4125	2/10/05	7:57
1,2,4-Trimethylbenzene	< 0.00025	mg/l	4108	2/ 9/05	20:09
1,2,4-Trimethylbenzene	< 0.00025	mg/l	4125	2/10/05	7:57
1,3,5-Trimethylbenzene	< 0.00035	mg/l	4108	2/ 9/05	20:09
1,3,5-Trimethylbenzene	< 0.00035	mg/l	4125	2/10/05	7:57
Vinyl chloride	< 0.00019	mg/l	4108	2/ 9/05	20:09
Vinyl chloride	< 0.00019	mg/l	4125	2/10/05	7:57
Xylenes (Total)	< 0.00033	mg/l	4108	2/ 9/05	20:09
Xylenes (Total)	< 0.00033	mg/l	4125	2/10/05	7:57
Bromodichloromethane	< 0.00024	mg/l	4108	2/ 9/05	20:09
Bromodichloromethane	< 0.00024	mg/l	4125	2/10/05	7:57
Trichlorofluoromethane	< 0.00012	mg/l	4108	2/ 9/05	20:09
Trichlorofluoromethane	< 0.00012	mg/l	4125	2/10/05	7:57
Methyl-t-butyl ether	< 0.00023	mg/l	4108	2/ 9/05	20:09
Methyl-t-butyl ether	< 0.00023	mg/l	4125	2/10/05	7:57
Ethanol	< 0.0307	mg/L	4108	2/ 9/05	20:09
Ethanol	< 0.0307	mg/L	4125	2/10/05	7:57
Diisopropyl ether	< 0.00018	mg/l	4108	2/ 9/05	20:09

Project QC continued . . .

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204  
800-765-0980 • 615-726-3404 FAX

**PROJECT QUALITY CONTROL DATA**

**Project Number:** 256113X

**Project Name:** EXXONMOBIL 10-HMG

**Page:** 14

**Laboratory Receipt Date:** 2/ 8/05

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Diisopropyl ether	< 0.00018	mg/l	4125	2/10/05	7:57
VOA Surr 1,2-DCA-d4	94.	% Rec	4108	2/ 9/05	20:09
VOA Surr 1,2-DCA-d4	94.	% Rec	4125	2/10/05	7:57
VOA Surr Toluene-d8	86.	% Rec	4108	2/ 9/05	20:09
VOA Surr Toluene-d8	86.	% Rec	4125	2/10/05	7:57
VOA Surr, 4-BFB	92.	% Rec	4108	2/ 9/05	20:09
VOA Surr, 4-BFB	94.	% Rec	4125	2/10/05	7:57
VOA Surr, DBFM	93.	% Rec	4108	2/ 9/05	20:09
VOA Surr, DBFM	93.	% Rec	4125	2/10/05	7:57
Methanol	< 10.0	mg/l	1984	2/10/05	15:25
Methanol	< 10.0	mg/l	1986	2/10/05	18:10

# = Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 405571



**COOLER RECEIPT FORM**

BC#

Client Name : ERT

Cooler Received/Opened On: 2/08/05 Accessioned By: Shawn Gracey

Log-in Personnel Signature L S

1. Temperature of Cooler when triaged: 0.2 Degrees Celsius
2. Were custody seals on outside of cooler? ..... YES...NO...NA  
a. If yes, how many, and where: 1, Front
3. Were custody seals on containers? ..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly? ..... YES...NO...NA
5. Were custody papers inside cooler? ..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)? ..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place? ..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)? ..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? ..... YES...NO...NA
12. Did all container labels and tags agree with custody papers? ..... YES...NO...NA
13. Were correct containers used for the analysis requested? ..... YES...NO...NA
14. a. Were VOA vials received? ..... YES...NO...NA  
b. Was there any observable head space present in any VOA vial? ..... NO...YES...NA
15. Was sufficient amount of sample sent in each container? ..... YES...NO...NA
16. Were correct preservatives used? ..... YES...NO...NA

If not, record standard ID of preservative used here \_\_\_\_\_

17. Was residual chlorine present? ..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:  
6931

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:

405571

Page 1 of 1

## CHAIN OF CUSTODY RECORD



(615) 726-0177  
Nashville Division  
2960 Foster Creighton  
Nashville, TN 37204

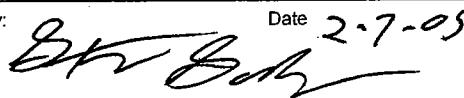
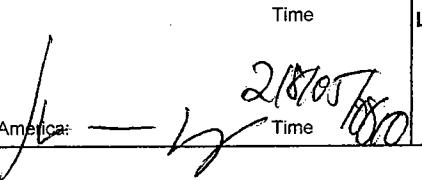
**ExxonMobil**

Shipping Method:  Lab Courier  Hand Deliver  Commercial Express  Other:

Consultant Name: Environmental Resolutions, Inc.  
Address: 601 North McDowell Boulevard  
City/State/Zip: Petaluma, California 94954  
Project Manager Rob Saur  
Telephone Number: (707) 766-2000  
ERI Job Number: 256113X  
Sampler Name: (Print) Steve Schurko  
Sampler Signature: SS

ExxonMobil Engineer Jennifer C. Sedlachek  
Telephone Number (510) 547-8196  
Account #: 10228  
PO #: 4505891273  
Facility ID # 10-HMG  
Global ID# T0608700014  
Site Address 1203 Mission Street  
City, State Zip Santa Cruz, California

TAT		PROVIDE:	Special Instructions: Hold BB analyses. VOCs 8260B * : FULL SCAN, including MTBE, ETBE, TAME, TBA, EDB, 1-2DCA, DIPE, and ethanol					Matrix			Analyze For:						
								Water	Soil	Vapor	TPHg	8015B	BTEX	8021B	MTBE	8021B	
<input type="checkbox"/> 24 hour	<input type="checkbox"/> 72 hour	EDF Report	Hold BB analyses. VOCs 8260B * : FULL SCAN, including MTBE, ETBE, TAME, TBA, EDB, 1-2DCA, DIPE, and ethanol					X			H	O	L	D			
<input type="checkbox"/> 48 hour	<input type="checkbox"/> 96 hour							X			X	X	X	X	X		
<input checked="" type="checkbox"/> 8 day								X			X	X	X	X	X		
Sample ID / Description			DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHg	8015B	BTEX	8021B	MTBE	8021B
BB	17307	2-2-05	10:50			HCl	2V	X			H	O	L	D			
MW1	8		15:30			HCl	6V	X			X	X	X	X	X		
MW2	9		15:15			HCl	6V	X			X	X	X	X	X		
MW3	10		14:55			HCl	6V	X			X	X	X	X	X		
MW4	11		16:10			HCl	6V	X			X	X	X	X	X		
MW5	12		14:15			HCl	6V	X			X	X	X	X	X		
MW6	13		14:30			HCl	6V	X			X	X	X	X	X		
MW7	14		9:35			HCl	6V	X			X	X	X	X	X		
MW8	15		10:15			HCl	6V	X			X	X	X	X	X		
MW9	16		15:50			HCl	6V	X			X	X	X	X	X		
MW10	17317		13:35			HCl	6V	X			X	X	X	X	X		

Relinquished by:	Date 2-7-05	Time 8:30	Received by:	Time	Laboratory Comments:
					Temperature Upon Receipt: <u>0°C</u> Sample Containers Intact? VOAs Free of Headspace?
Relinquished by:	Date	Time	Received by TestAmerica:	Time	
					



## Sample NonConformance/COC Revision Form

Initiated by:	Lklingensmith	Phone:	707-766-2000	NC Closed	<input checked="" type="checkbox"/>
Client Name:	ERI - NORTHERN	Sample Range:	17307-17	Date Closed	2/9/2005
Client Contact:	Rob Saur	SDG:	405571		
Client Account:	10228	Analyst:	224		
Date Created:	2/9/2005	Supervisor:	Mark Hollingsworth		
NC #:		NC Type:			
Project Name:	10-HMG	Terminal Manager:	JENNIFER SEDLACHEK		
Project Number:					
Project Origin					
Regulatory :					

Process: Change TAT to RUSH TAT per client request (See Comments for exact TAT)

Corrected By: Shawn Gracey

Action: Process Completed

Closed:  Lklingensmith

Comments: Comment added by: Lklingensmith on 2/9/2005 3:27:47 PM  
NC closed with out comments

\*\*\*\*\*

Comment added by: Lklingensmith on 2/9/2005 3:27:36 PM  
Process Closed without Comment

\*\*\*\*\*

Comment added by: Sgracey on 2/9/2005 3:26:05 PM  
Process Closed without Comment

\*\*\*\*\*

For samples 17307-17, please, change the TAT due Fri. with 25% rush charges. Alert Analysts for GRO, 8260B's and MeOH. ERI(10228)

From: Rob A. Saur [mailto:rsaur@ERI-US.com]

Sent: Wednesday, February 09, 2005 2:00 PM

To: Leah Klingensmith

Subject: RE: Former Exxon 10-HMG

Sound great!

Thanks again.

Robert A. Saur

Project Manager

Environmental Resolutions, Inc

6301 North McDowell Boulevard

Petaluma, California 94954

Phone: 707-766-2019

Fax: 707-789-0414

rsaur@eri-us.com

From: Leah Klingensmith [mailto:Lklingensmith@testamericainc.com]

Sent: Wednesday, February 09, 2005 11:33 AM

To: Rob A. Saur

Subject: RE: Former Exxon 10-HMG

Hi Rob

We can change the due date to Fri. with 25% rush charges applied. OK?

~~~~~I will be out Friday the 11th.~~~~~

Leah

---Original Message---

From: Rob A. Saur [mailto:rsaur@ERI-US.com]

Sent: Wednesday, February 09, 2005 12:59 PM

To: Leah Klingensmith

Subject: Former Exxon 10-HMG

Leah,

ERI collected water samples from wells MW1 through MW10 on 2/2/05 from site 10-HMG. The COC requested a TAT of 8 days. Is it possible to shorten the TAT and obtain the results by this Friday 2/11/05? If Friday is not possible, would noon on Monday 2/14/05 be possible? A copy of the COC is attached. Please let me know.

**ATTACHMENT C**

**CUMULATIVE JOINT GROUNDWATER MONITORING AND SAMPLING  
RESULTS THROUGH FOURTH QUARTER 2004  
(RRM, FEBRUARY 7, 2005)**

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
1130 Mission Street  
Santa Cruz, California

| Well | Sampling Date | Notes | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| MW-1 | 05/07/93      |       | 71.85                     | 4.90                             | 66.95                             | 2,900      | 450           | 320           | 90                  | 400           | NA         | NA                       |
|      | 08/28/93      |       |                           | 6.51                             | 65.34                             | 920        | 270           | 70            | 58                  | 260           | NA         | NA                       |
|      | 11/09/93      |       |                           | 6.94                             | 64.91                             | 1,000      | 310           | 68            | 44                  | 160           | NA         | NA                       |
|      | 02/07/94      |       |                           | 4.05                             | 67.80                             | 9,200      | 1,400         | 1,600         | 440                 | 2,700         | NA         | NA                       |
|      | 05/09/94      |       |                           | 4.93                             | 66.92                             | 14,000     | 2,200         | 2,000         | 690                 | 4,100         | NA         | NA                       |
|      | 08/09/94      |       |                           | 6.21                             | 65.64                             | 3,800      | 420           | 53            | 76                  | 650           | NA         | NA                       |
|      | 11/01/94      |       |                           | 6.88                             | 64.97                             | 690        | 160           | 3.3           | 12                  | 82            | NA         | NA                       |
|      | 03/03/95      |       |                           | 4.85                             | 67.00                             | 3,000      | 380           | 22            | 86                  | 540           | NA         | NA                       |
|      | 05/17/95      |       |                           | 4.51                             | 67.34                             | 9,800      | 1,200         | 35            | 310                 | 2,300         | NA         | NA                       |
|      | 07/31/95      |       |                           | 5.35                             | 66.50                             | 8,100      | 860           | < 10          | 100                 | 1,200         | NA         | NA                       |
|      | 11/20/95      |       |                           | 6.90                             | 64.95                             | 8,400      | 1,100         | < 10          | 100                 | 1,200         | NA         | NA                       |
|      | 02/21/96      |       |                           | 3.87                             | 67.98                             | 12,000     | 890           | 180           | 310                 | 2,100         | NA         | NA                       |
|      | 05/02/96      |       |                           | 5.33                             | 66.52                             | 3,100      | 770           | 7.0           | 140                 | 800           | NA         | NA                       |
|      | 08/15/96      |       |                           | 6.49                             | 65.36                             | 2,900      | 290           | < 10          | 44                  | 290           | NA         | NA                       |
|      | 11/25/96      |       |                           | 4.48                             | 67.37                             | 6,800      | 720           | 20            | 230                 | 1,200         | 51         | NA                       |
|      | 02/18/97      |       |                           | 4.75                             | 67.10                             | 7,900      | 1,100         | 26            | 250                 | 1,700         | < 62       | NA                       |
|      | 08/21/97      |       |                           | 6.76                             | 65.09                             | 2,000      | 160           | < 5.0         | 30                  | 140           | < 25       | NA                       |
|      | 12/03/97      |       |                           | 4.31                             | 67.54                             | 4,800      | 530           | 31            | 120                 | 1,300         | 28         | NA                       |
|      | 01/27/98      |       |                           | 3.21                             | 68.64                             | 18,000     | 1,700         | 590           | 740                 | 4,400         | <250       | NA                       |
|      | 05/28/98      |       |                           | 4.60                             | 67.25                             | 2,800      | 310           | < 3.0         | 79                  | 520           | 22         | NA                       |
|      | 08/04/98      |       |                           | 6.03                             | 65.82                             | 2,600      | 230           | < 1.0         | 12                  | 270           | < 5.0      | NA                       |
|      | 11/03/98      |       |                           | 6.70                             | 65.15                             | 1,200      | 55            | < 2.0         | < 2.0               | 78            | 18         | NA                       |
|      | 02/01/99      |       |                           | 4.19                             | 67.66                             | 1,100      | 55            | < 5.0         | 26                  | 130           | 10         | NA                       |
|      | 05/03/99      | a     |                           | 5.57                             | 66.28                             | 2,530      | 204           | <20.0         | 63.2                | 286           | <200       | NA                       |
|      | 08/30/99      |       |                           | 6.48                             | 65.37                             | 1,190      | 11.7          | 1.18          | <1.00               | 1.79          | 12.2       | NA                       |
|      | 11/04/99      | a, b  |                           | 7.00                             | 64.85                             | 858        | 29.9          | 1.46          | <1.25               | 2.66          | <12.5      | NA                       |
|      | 02/18/00      |       |                           | 3.45                             | 68.40                             | 5,310      | 519           | 109           | 232                 | 911           | 7.02       | NA                       |
|      | 05/01/00      |       |                           | 4.48                             | 67.37                             | 1,900      | 91            | <5.0          | 20                  | 120           | 32         | NA                       |
|      | 08/01/00      | b     |                           | 5.71                             | 66.14                             | 1,590      | 33.1          | <5.00         | <5.00               | 7.99          | <50.0      | NA                       |
|      | 11/01/00      | c     |                           | 5.01                             | 66.84                             | 1,320      | 140.0         | 7.47          | 3.19                | 22.3          | <1.00      | NA                       |
|      | 01/31/01      | c, e  |                           | 3.95                             | 67.90                             | 1,240      | 31.9          | 5.61          | 9.77                | 31.7          | <2.00      | NA                       |
|      | 05/02/01      | c, e  |                           | 4.73                             | 67.12                             | 1,830      | 94.8          | <5.00         | 24.90               | 98.5          | <2.0       | <10                      |
|      | 08/07/01      |       |                           | 6.16                             | 65.69                             | 830        | 4.2           | 1.3           | 2.6                 | 3.0           | 8.7        | NA                       |
|      | 11/02/01      |       |                           | 6.24                             | 65.61                             | 1,300      | 38            | 1.5           | 8.3                 | 29            | <5.0       | NA                       |
|      | 02/01/02      |       |                           | 4.55                             | 67.30                             | 2,000      | 180           | 1.4           | 130                 | 44            | <2.5       | NA                       |
|      | 05/07/02      |       |                           | 5.20                             | 66.65                             | 1,600      | 6.6           | <5.0          | 6.2                 | 3.1           | <2.5       | NA                       |
|      | 08/02/02      |       |                           | 5.99                             | 65.86                             | 1,600      | 79            | 5.5           | 41                  | 27            | <2.5       | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
1130 Mission Street  
Santa Cruz, California

| Well   | Sampling Date | Notes            | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|--------|---------------|------------------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| MW-1   | 11/13/02      |                  |                           | 5.63                             | 66.22                             | 1,300      | 32            | 1.6           | 3                   | 6             | <2.5       | NA                       |
| (cont) | 02/03/03      |                  |                           | 4.76                             | 67.09                             | 820        | 16            | 0.68          | 4.7                 | 4.0           | <5.0       | NA                       |
|        | 05/05/03      |                  |                           | 4.56                             | 67.29                             | 1,600      | 24            | 0.8           | 9.5                 | 18            | <5.0       | NA                       |
|        | 08/05/03      |                  |                           | 5.87                             | 65.98                             | 800        | 6.7           | 0.5           | 4.1                 | 2.7           | <2.5       | NA                       |
|        | 11/03/03      |                  |                           | 6.28                             | 65.57                             | 1,100      | 13.0          | 1.3           | 4.5                 | 4.7           | <2.5       | NA                       |
|        | 02/02/04      |                  |                           | 4.64                             | 67.21                             | 1,000      | 13.0          | <0.5          | 17.0                | 7.3           | <2.5       | NA                       |
|        | 05/03/04      |                  |                           | 5.02                             | 66.83                             | 1,800      | 180           | 1.1           | 34                  | 39            | <2.5       | NA                       |
|        | 08/02/04      |                  |                           | 5.98                             | 65.87                             | 1,500      | 60            | 0.9           | 27                  | 24            | <2.5       | NA                       |
|        | 11/01/04      |                  |                           | 5.10                             | 66.75                             | 1,400      | 56            | 0.9           | 4                   | 7             | <5.0       | NA                       |
| MW-2   | 05/07/93      |                  | 71.72                     | 4.86                             | 66.86                             | ND         | ND            | ND            | ND                  | ND            | NA         | NA                       |
|        | 08/28/93      | *                |                           | 5.87                             | 65.85                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | 1.6        | 1.6                      |
|        | 11/09/93      |                  |                           | 6.24                             | 65.48                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 02/07/94      |                  |                           | 4.62                             | 67.10                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 05/09/94      |                  |                           | 4.70                             | 67.02                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 08/09/94      |                  |                           | 5.76                             | 65.96                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 11/01/94      |                  |                           | 6.07                             | 65.65                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 03/03/95      |                  |                           | 4.77                             | 66.95                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 05/17/95      |                  |                           | 4.61                             | 67.11                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 07/31/95      |                  |                           | 5.60                             | 66.12                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 11/20/95      |                  |                           | 6.15                             | 65.57                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 02/21/96      |                  |                           | 3.78                             | 67.94                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 05/02/96      |                  |                           | 5.41                             | 66.31                             | < 50       | < 0.5         | < 0.5         | < 0.5               | 0.58          | NA         | NA                       |
|        | 08/15/96      |                  |                           | 5.85                             | 65.87                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|        | 11/25/96      |                  |                           | 4.56                             | 67.16                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|        | 02/18/97      |                  |                           | 4.67                             | 67.05                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|        | 08/21/97      | Sampled Annually |                           | 6.02                             | 65.70                             | NA         | NA            | NA            | NA                  | NA            | NA         | NA                       |
|        | 12/03/97      |                  |                           | 4.44                             | 67.28                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|        | 01/27/98      |                  |                           | 3.55                             | 68.17                             | < 50       | < 0.50        | < 0.50        | < 0.50              | < 0.50        | < 2.5      | NA                       |
|        | 05/28/98      |                  |                           | 4.40                             | 67.32                             | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10       | NA                       |
|        | 08/04/98      |                  |                           | 4.96                             | 66.76                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|        | 11/03/98      |                  |                           | 5.80                             | 65.92                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|        | 02/01/99      |                  |                           | 5.00                             | 66.72                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|        | 05/03/99      |                  |                           | 4.76                             | 66.96                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 5.00     | NA                       |
|        | 08/30/99      |                  |                           | 5.23                             | 66.49                             | < 50       | < 0.500       | < 0.500       | < 0.500             | < 0.500       | < 2.50     | NA                       |
|        | 11/04/99      |                  |                           | 6.12                             | 65.60                             | < 50       | < 0.500       | < 0.500       | < 0.500             | < 0.500       | < 5.00     | NA                       |
|        | 02/18/00      |                  |                           | 3.79                             | 67.93                             | < 50.0     | < 0.500       | < 0.500       | < 0.500             | < 0.500       | < 2.50     | NA                       |
| MW-2   | 05/01/00      |                  |                           | 4.55                             | 67.17                             | < 50       | < 0.50        | < 0.50        | < 0.50              | < 0.50        | < 2.5      | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
1130 Mission Street  
Santa Cruz, California

| Well   | Sampling Date | Notes        | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|--------|---------------|--------------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| (cont) | 08/01/00      | Inaccessible |                           | --                               | --                                | --         | --            | --            | --                  | --            | --         | --                       |
|        | 11/01/00      | c            |                           | 4.82                             | 66.90                             | <50.0      | <0.500        | <0.500        | <0.500              | <0.500        | <1.00      | NA                       |
|        | 01/31/01      | c, e         |                           | 4.31                             | 67.41                             | <50.0      | <0.500        | <0.500        | <0.500              | <0.500        | <2.00      | NA                       |
|        | 05/02/01      | c, e         |                           | 4.45                             | 67.27                             | <50.0      | <0.500        | <5.00         | <5.00               | <5.00         | <2.0       | <10                      |
|        | 08/07/01      |              |                           | 5.82                             | 65.90                             | <50        | 3.1           | 2.0           | <0.50               | 2.2           | <5.0       | NA                       |
|        | 11/02/01      |              |                           | 5.84                             | 65.88                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 02/01/02      |              |                           | 4.40                             | 67.32                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 05/07/02      |              |                           | 5.15                             | 66.57                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 08/02/02      |              |                           | 5.66                             | 66.06                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 11/13/02      |              |                           | 5.38                             | 66.34                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 02/03/03      |              |                           | 4.81                             | 66.91                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 05/05/03      |              |                           | 4.66                             | 67.06                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 08/05/03      |              |                           | 5.61                             | 66.11                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 11/03/03      |              |                           | 5.85                             | 65.87                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 02/02/04      |              |                           | 4.25                             | 67.47                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 05/03/04      |              |                           | 5.04                             | 66.68                             | <50        | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|        | 08/02/04      |              |                           | 5.69                             | 66.03                             | <50        | <0.5          | <0.5          | <0.5                | <1.5          | <2.5       | NA                       |
|        | 11/01/04      |              |                           | 5.03                             | 66.69                             | <50        | <0.5          | <0.5          | <0.5                | <1.5          | <2.5       | NA                       |
| MW-3   | 05/07/93      |              | 71.73                     | 5.21                             | 66.52                             | 11,000     | 200           | 1,100         | 500                 | 3,700         | NA         | NA                       |
|        | 08/28/93      |              |                           | 6.23                             | 65.50                             | 1,900      | 290           | 390           | 120                 | 600           | NA         | NA                       |
|        | 11/09/93      |              |                           | 6.54                             | 65.19                             | 210        | 33            | 27            | 12                  | 42            | NA         | NA                       |
|        | 02/07/94      |              |                           | 4.57                             | 67.16                             | 45,000     | 260           | 1,500         | 2,300               | 18,000        | NA         | NA                       |
|        | 05/09/94      |              |                           | 5.20                             | 66.53                             | 44,000     | 2,200         | 5,800         | 2,600               | 14,000        | NA         | NA                       |
|        | 08/09/94      |              |                           | 6.08                             | 65.65                             | 7,700      | 1,000         | 2,900         | 340                 | 2,600         | NA         | NA                       |
|        | 11/01/94      |              |                           | 6.51                             | 65.22                             | 5,500      | 520           | 840           | 280                 | 1,600         | NA         | NA                       |
|        | 03/03/95      |              |                           | 5.28                             | 66.45                             | 8,700      | 530           | 1,300         | 480                 | 3,100         | NA         | NA                       |
|        | 05/17/95      |              |                           | 4.92                             | 66.81                             | 39,000     | 1,100         | 3,900         | 1,400               | 9,700         | NA         | NA                       |
|        | 07/31/95      |              |                           | 5.80                             | 65.93                             | 18,000     | 590           | 940           | 510                 | 3,500         | NA         | NA                       |
|        | 11/20/95      |              |                           | 6.50                             | 65.23                             | 5,900      | 230           | 92            | 170                 | 1,100         | NA         | NA                       |
|        | 02/21/96      |              |                           | 4.00                             | 67.73                             | 70,000     | < 100         | 370           | 1,600               | 13,000        | NA         | NA                       |
|        | 05/02/96      |              |                           | 5.45                             | 66.28                             | 6,400      | 300           | 640           | 370                 | 2,600         | NA         | NA                       |
|        | 08/15/96      |              |                           | 6.05                             | 65.68                             | 1,700      | 81            | 53            | 47                  | 330           | NA         | NA                       |
|        | 11/25/96      |              |                           | 4.99                             | 66.74                             | 15,000     | 630           | 1,000         | 450                 | 3,800         | < 125      | NA                       |
|        | 02/18/97      |              |                           | 5.04                             | 66.69                             | 20,000     | 530           | 1,500         | 740                 | 4,800         | < 125      | NA                       |
|        | 08/21/97      |              |                           | 6.41                             | 65.32                             | 14,000     | 800           | 1,700         | 510                 | 2,400         | < 100      | NA                       |
|        | 12/03/97      |              |                           | 4.83                             | 66.90                             | 17,000     | 740           | 1,700         | 600                 | 3,200         | < 100      | NA                       |
| MW-3   | 01/27/98      |              |                           | 3.88                             | 67.85                             | 20,000     | 320           | 800           | 630                 | 4,200         | < 500      | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
1130 Mission Street  
Santa Cruz, California

| Well   | Sampling Date | Notes | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|--------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| (cont) | 05/28/98      |       |                           | 4.95                             | 66.78                             | 13,000     | 360           | 1,100         | 690                 | 4,100         | < 100      | NA                       |
|        | 08/04/98      |       |                           | 5.97                             | 65.76                             | 5,700      | 290           | 610           | 290                 | 1,600         | < 25       | NA                       |
|        | 11/03/98      |       |                           | 6.42                             | 65.31                             | 5,000      | 690           | 330           | 190                 | 1,400         | < 25       | NA                       |
|        | 02/01/99      |       |                           | 4.63                             | 67.10                             | 2,600      | 120           | 6             | 54                  | 260           | 32         | NA                       |
|        | 05/03/99      | a     |                           | 5.28                             | 66.45                             | 9,380      | 223           | 343           | 515                 | 2,260         | <500       | NA                       |
|        | 08/30/99      |       |                           | 6.18                             | 65.55                             | 2,170      | 108           | 72.4          | 88.9                | 529           | 54.1       | NA                       |
|        | 11/04/99      |       |                           | 6.59                             | 65.14                             | 52.1       | 10.0          | <0.500        | 0.629               | 4.34          | <5.00      | NA                       |
|        | 02/18/00      |       |                           | 4.19                             | 67.54                             | 5,970      | 198           | 301           | 243                 | 1,680         | <12.5      | NA                       |
|        | 05/01/00      | a     |                           | 4.70                             | 67.03                             | 9,700      | 330           | 570           | 490                 | 3,500         | <100       | NA                       |
|        | 08/01/00      |       |                           | 5.45                             | 66.28                             | 2,230      | 101           | 41.9          | 131                 | 772           | <50.0      | NA                       |
|        | 11/01/00      | c     |                           | 5.15                             | 66.58                             | 2,620      | 257           | 60.6          | 124                 | 753           | <1.00      | NA                       |
|        | 01/31/01      | c, e  |                           | 4.51                             | 67.22                             | 711        | 6.68          | 1.37          | 5.81                | 181           | <2.00      | NA                       |
|        | 05/02/01      | c, e  |                           | 5.02                             | 66.71                             | 4,720      | 156           | 122           | 185                 | 1,370         | <2.0       | <10                      |
|        | 08/07/01      |       |                           | 5.91                             | 65.82                             | 740        | 59            | 10            | 64                  | 410           | <5.0       | NA                       |
|        | 11/02/01      |       |                           | 5.96                             | 65.77                             | 3,400      | 160           | 77            | 130                 | 940           | <2.5       | NA                       |
|        | 02/01/02      |       |                           | 5.00                             | 66.73                             | 5,000      | 94            | 150           | 310                 | 1,200         | <2.5       | NA                       |
|        | 05/07/02      |       |                           | 5.36                             | 66.37                             | 170        | 3.3           | 4             | 16                  | 48            | <2.5       | NA                       |
|        | 08/02/02      |       |                           | 5.77                             | 65.96                             | 420        | 15            | 9.0           | 15                  | 110           | <2.5       | NA                       |
|        | 11/13/02      |       |                           | 5.60                             | 66.13                             | 1,200      | 41            | 19.0          | 47                  | 350           | <2.5       | NA                       |
|        | 02/03/03      |       |                           | 5.10                             | 66.63                             | 5,700      | 140           | 160           | 290                 | 1,700         | <5.0       | NA                       |
|        | 05/05/03      |       |                           | 5.00                             | 66.73                             | 5,700      | 83            | 110           | 270                 | 1,600         | <5.0       | NA                       |
|        | 08/05/03      |       |                           | 5.47                             | 66.26                             | 330        | <0.50         | <0.50         | 0.6                 | 35            | <2.5       | NA                       |
|        | 11/03/03      |       |                           | 5.89                             | 65.84                             | 5,900      | 54            | 140           | 450.0               | 1,300         | <2.5       | NA                       |
|        | 02/02/04      |       |                           | 4.23                             | 67.50                             | 1,500      | 6.6           | 15            | 150                 | 230           | <2.5       | NA                       |
|        | 05/03/04      |       |                           | 4.90                             | 66.83                             | 360        | 3.9           | 6             | 22                  | 62            | <2.5       | NA                       |
|        | 08/02/04      |       |                           | 5.78                             | 65.95                             | <50        | 2.4           | <0.5          | 0.9                 | 3.1           | <2.5       | NA                       |
|        | 11/01/04      |       |                           | 5.28                             | 66.45                             | <50        | 1.2           | <0.5          | 0.8                 | 5.9           | <2.5       | NA                       |
| MW-4   | 05/07/93      | 71.40 |                           | 4.86                             | 66.54                             | 7,900      | 1,600         | 2,200         | 340                 | 2,000         | NA         | NA                       |
|        | 08/28/93      |       |                           | 6.50                             | 64.90                             | 5,700      | 1,400         | 1,200         | 290                 | 1,100         | NA         | NA                       |
|        | 11/09/93      |       |                           | 6.94                             | 64.46                             | 1,400      | 400           | 450           | 89                  | 300           | NA         | NA                       |
|        | 02/07/94      |       |                           | 4.62                             | 66.78                             | 4,700      | 820           | 1,100         | 250                 | 1,100         | NA         | NA                       |
|        | 05/09/94      |       |                           | 4.96                             | 66.44                             | 8,000      | 1,500         | 1,600         | 460                 | 1,800         | NA         | NA                       |
|        | 08/09/94      |       |                           | 6.19                             | 65.21                             | 4,600      | 970           | 810           | 280                 | 1,600         | NA         | NA                       |
|        | 11/01/94      |       |                           | 6.87                             | 64.53                             | 6,500      | 720           | 970           | 240                 | 940           | NA         | NA                       |
|        | 03/03/95      |       |                           | 4.19                             | 67.21                             | 4,500      | 920           | 470           | 290                 | 1,300         | NA         | NA                       |
|        | 05/17/95      |       |                           | 4.51                             | 66.89                             | 16,000     | 1,700         | 2,000         | 580                 | 2,800         | NA         | NA                       |
| MW-4   | 07/31/95      |       |                           | 5.65                             | 65.75                             | 18,000     | 1,900         | 1,800         | 550                 | 3,300         | NA         | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
 1130 Mission Street  
 Santa Cruz, California

| Well   | Sampling Date | Notes | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|--------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| (cont) | 11/20/95      |       |                           | 6.70                             | 64.70                             | 16,000     | 1,600         | 810           | 470                 | 2,200         | NA         | NA                       |
|        | 02/21/96      |       |                           | 3.40                             | 68.00                             | 10,000     | 960           | 390           | 480                 | 1,400         | NA         | NA                       |
|        | 05/02/96      |       |                           | 4.95                             | 66.45                             | 4,300      | 850           | 590           | 340                 | 1,200         | NA         | NA                       |
|        | 08/15/96      |       |                           | 6.19                             | 65.21                             | 4,300      | 660           | 260           | 130                 | 500           | NA         | NA                       |
|        | 11/25/96      |       |                           | 4.38                             | 67.02                             | 2,500      | 330           | 130           | 100                 | 360           | < 25       | NA                       |
|        | 02/18/97      |       |                           | 4.53                             | 66.87                             | 7,300      | 590           | 460           | 340                 | 1,100         | < 50       | NA                       |
|        | 08/21/97      |       |                           | 6.53                             | 64.87                             | 4,800      | 630           | 260           | 130                 | 930           | < 25       | NA                       |
|        | 12/03/97      |       |                           | 4.21                             | 67.19                             | 1,900      | 240           | 99            | 86                  | 280           | < 25       | NA                       |
|        | 01/27/98      |       |                           | 2.90                             | 68.50                             | 6,600      | 640           | 210           | 490                 | 1,200         | < 50       | NA                       |
|        | 05/28/98      |       |                           | 4.50                             | 66.90                             | 9,000      | 1,000         | 440           | 370                 | 2,100         | < 100      | NA                       |
|        | 08/04/98      |       |                           | 5.88                             | 65.52                             | 7,700      | 1,100         | 440           | 240                 | 2,100         | < 25       | NA                       |
|        | 05/03/99      | a     |                           | 5.49                             | 65.91                             | 7,200      | 467           | 154           | 394                 | 919           | <500       | NA                       |
|        | 08/30/99      |       |                           | 6.87                             | 64.53                             | <50        | <0.500        | <0.500        | <0.500              | <0.500        | <5.00      | NA                       |
|        | 05/03/99      | a     |                           | 5.49                             | 65.91                             | 7,200      | 467           | 154           | 394                 | 919           | <500       | NA                       |
|        | 08/30/99      |       |                           | 6.87                             | 64.53                             | <50.0      | <0.500        | <0.500        | <0.500              | <0.500        | <5.00      | NA                       |
|        | 02/18/00      |       |                           | 3.28                             | 68.12                             | 1,840      | 212           | 184           | 70.0                | 274           | <5.00      | NA                       |
|        | 05/01/00      | a     |                           | 4.01                             | 67.39                             | 970        | 130           | 150           | 42                  | 230           | <13        | NA                       |
|        | 08/01/00      |       |                           | 5.24                             | 66.16                             | 2,250      | 291           | 158           | 55.9                | 560           | <50.0      | NA                       |
|        | 11/01/00      | c, d  |                           | 4.58                             | 66.82                             | 759        | 94.0          | 4.53          | 21.5                | 95.8          | <1.00      | NA                       |
|        | 01/31/01      | c, e  |                           | 3.47                             | 67.93                             | 75.2       | 10.9          | 0.961         | 0.826               | 6.34          | <2.00      | NA                       |
|        | 05/02/01      | c, e  |                           | 4.26                             | 67.14                             | 418        | 55.2          | 13.8          | 12.7                | 61.0          | <2.0       | <10                      |
|        | 08/07/01      |       |                           | 5.70                             | 65.70                             | 820        | 130           | 180           | 42                  | 350           | <5.0       | NA                       |
|        | 11/02/01      |       |                           | 5.81                             | 65.59                             | 1,600      | 130           | 55            | 28                  | 280           | <2.5       | NA                       |
|        | 02/01/02      |       |                           | 4.32                             | 67.08                             | 1,200      | 150           | 70            | 40                  | 170           | <2.5       | NA                       |
|        | 05/07/02      |       |                           | 4.83                             | 66.57                             | 2,100      | 210           | 190           | 67                  | 450           | <2.5       | NA                       |
|        | 08/02/02      |       |                           | 5.55                             | 65.85                             | 1,200      | 87            | 17            | 51                  | 180           | <2.5       | NA                       |
|        | 11/13/02      |       |                           | 5.27                             | 66.13                             | 930        | 68            | 45            | 22                  | 140           | <2.5       | NA                       |
|        | 02/03/03      |       |                           | 4.49                             | 66.91                             | 2,800      | 250           | 240           | 79                  | 440           | <5.0       | NA                       |
|        | 05/05/03      |       |                           | 4.31                             | 67.09                             | 2,600      | 190           | 190           | 63                  | 420           | <5.0       | NA                       |
|        | 08/05/03      |       |                           | 5.41                             | 65.99                             | 1,200      | 93            | 64            | 35                  | 200           | <2.5       | NA                       |
|        | 11/03/03      |       |                           | 5.78                             | 65.62                             | 1,100      | 74            | 36            | 25                  | 180           | <2.5       | NA                       |
|        | 02/02/04      |       |                           | 4.21                             | 67.19                             | 280        | 25            | 5.1           | 9.2                 | 34            | <2.5       | NA                       |
|        | 05/03/04      |       |                           | 4.86                             | 66.54                             | <50        | 3             | <0.5          | <0.5                | <1.5          | <2.5       | NA                       |
|        | 08/02/04      |       |                           | 5.53                             | 65.87                             | 300        | 6             | <0.5          | 6.4                 | 14            | <2.5       | NA                       |
|        | 11/01/04      |       |                           | 5.28                             | 66.45                             | <50        | 1             | <0.5          | 0.8                 | 6             | <2.5       | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
 1130 Mission Street  
 Santa Cruz, California

| Well | Sampling Date | Notes            | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|------|---------------|------------------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| MW-5 | 03/17/94      |                  | 71.34                     | NM                               | NM                                | 56         | 0.8           | 6.4           | 2.1                 | 12            | NA         | NA                       |
|      | 05/09/94      |                  |                           | 4.51                             | 66.83                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 08/09/94      |                  |                           | 6.10                             | 65.24                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 11/01/94      |                  |                           | 7.00                             | 64.34                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 03/03/95      |                  |                           | 4.33                             | 67.01                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 05/17/95      |                  |                           | 3.84                             | 67.50                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 07/31/95      |                  |                           | 5.40                             | 65.94                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 11/20/95      |                  |                           | 6.50                             | 64.84                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 02/21/96      |                  |                           | 1.95                             | 69.39                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 05/02/96      |                  |                           | 4.02                             | 67.32                             | < 50       | 0.68          | < 0.5         | < 0.5               | 0.59          | NA         | NA                       |
|      | 08/15/96      |                  |                           | 6.04                             | 65.30                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 11/25/96      |                  |                           | 3.62                             | 67.72                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|      | 02/18/97      |                  |                           | 3.87                             | 67.47                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|      | 08/21/97      | Sampled Annually |                           | 6.38                             | 64.96                             | NA         | NA            | NA            | NA                  | NA            | NA         | NA                       |
|      | 12/03/97      |                  |                           | 3.39                             | 67.95                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|      | 01/27/98      |                  |                           | 2.65                             | 68.69                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|      | 05/28/98      |                  |                           | 3.80                             | 67.54                             | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10       | NA                       |
|      | 08/04/98      |                  |                           | 5.46                             | 65.88                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|      | 11/03/98      | **               |                           | --                               | --                                | --         | --            | --            | --                  | --            | --         | --                       |
| MW-6 | 03/17/94      |                  | 70.25                     | NM                               | NM                                | 1,400      | 170           | 15            | 81                  | 590           | NA         | NA                       |
|      | 05/09/94      |                  |                           | 4.72                             | 65.53                             | 180        | 26            | 0.9           | 9.1                 | 64            | NA         | NA                       |
|      | 08/09/94      |                  |                           | 5.90                             | 64.35                             | < 50       | 1.9           | < 0.5         | < 0.5               | 1.7           | NA         | NA                       |
|      | 11/01/94      |                  |                           | 6.65                             | 63.60                             | < 50       | 1.1           | < 0.5         | < 0.5               | 1.2           | NA         | NA                       |
|      | 03/03/95      |                  |                           | 4.72                             | 65.53                             | 210        | 36            | 3.2           | 12                  | 74            | NA         | NA                       |
|      | 05/17/95      |                  |                           | 4.23                             | 66.02                             | 730        | 63            | 2.6           | 36                  | 190           | NA         | NA                       |
|      | 07/31/95      |                  |                           | 5.00                             | 65.25                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 11/20/95      |                  |                           | 6.20                             | 64.05                             | < 50       | 5.4           | < 0.5         | 0.66                | < 0.5         | NA         | NA                       |
|      | 02/21/96      |                  |                           | 2.62                             | 67.63                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 05/02/96      |                  |                           | 4.60                             | 65.65                             | < 50       | 1.1           | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 08/15/96      |                  |                           | 5.83                             | 64.42                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|      | 11/25/96      |                  |                           | 3.96                             | 66.29                             | 1,100      | 81            | 2.3           | 52                  | 350           | 6.2        | NA                       |
|      | 02/18/97      |                  |                           | 4.02                             | 66.23                             | 160        | 8.5           | 0.5           | 6                   | 33            | < 2.5      | NA                       |
|      | 08/21/97      |                  |                           | 6.07                             | 64.18                             | 190        | 12            | < 0.5         | 0.81                | 16            | < 2.5      | NA                       |
|      | 12/03/97      |                  |                           | 3.66                             | 66.59                             | 60         | 3.8           | < 0.5         | 1.8                 | 12            | < 2.5      | NA                       |
|      | 01/27/98      |                  |                           | 4.21                             | 66.04                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|      | 05/28/98      |                  |                           | 4.05                             | 66.20                             | 61         | 4.3           | < 0.3         | 2.4                 | 14            | < 10       | NA                       |
|      | 08/04/98      |                  |                           | 5.34                             | 64.91                             | 54         | < 2.5         | 1.0           | < 0.5               | < 0.5         | < 0.5      | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
1130 Mission Street  
Santa Cruz, California

| Well       | Sampling Date | Notes | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|------------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| MW-6       | 11/03/98      | **    | --                        | --                               | --                                | --         | --            | --            | --                  | --            | --         | --                       |
| MW-7       | 03/17/94      |       | 70.11                     | NM                               | NM                                | 1,000      | 110           | 140           | 43                  | 390           | NA         | NA                       |
|            | 05/09/94      |       |                           | 5.48                             | 64.63                             | 510        | 43            | 0.9           | 7.4                 | 170           | NA         | NA                       |
|            | 08/09/94      |       |                           | 6.01                             | 64.10                             | 3,000      | 740           | 4.5           | 7.4                 | 1,200         | NA         | NA                       |
| MW-7       | 11/01/94      |       |                           | 6.31                             | 63.80                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 03/03/95      |       |                           | 6.09                             | 64.02                             | 1,700      | 160           | 83            | 120                 | 690           | NA         | NA                       |
|            | 05/17/95      |       |                           | 5.16                             | 64.95                             | 950        | 54            | < 1.0         | 15                  | 230           | NA         | NA                       |
|            | 07/31/95      |       |                           | 5.60                             | 64.51                             | 5,200      | 230           | 12            | 230                 | 1,300         | NA         | NA                       |
|            | 11/20/95      |       |                           | 6.15                             | 63.96                             | 130        | 6.1           | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 02/21/96      |       |                           | 3.95                             | 66.16                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 05/02/96      |       |                           | 5.46                             | 64.65                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 08/15/96      |       |                           | 6.02                             | 64.09                             | 1,200      | 76            | < 1.2         | 3.1                 | 320           | NA         | NA                       |
|            | 11/25/96      |       |                           | 4.88                             | 65.23                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 02/18/97      |       |                           | 5.00                             | 65.11                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 08/21/97      |       |                           | 6.05                             | 64.06                             | 180        | 0.70          | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 12/03/97      |       |                           | 4.90                             | 65.21                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 01/27/98      |       |                           | 4.15                             | 65.96                             | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 05/28/98      |       |                           | 4.95                             | 65.16                             | < 50       | 0.88          | < 0.3         | < 0.3               | 3.4           | < 10       | NA                       |
|            | 08/04/98      |       |                           | 5.68                             | 64.43                             | 2,700      | 170           | < 2.5         | 65                  | 820           | < 12       | NA                       |
|            | 11/03/98      | **    | --                        | --                               | --                                | --         | --            | --            | --                  | --            | --         | --                       |
| Trip Blank | 08/28/93      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 11/09/93      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 02/07/94      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 05/09/94      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 08/09/94      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 11/01/94      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 03/03/95      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 05/17/95      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 07/31/95      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 11/20/95      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 02/21/96      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 05/02/96      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 08/15/96      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | NA         | NA                       |
|            | 11/25/96      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 02/18/97      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 08/21/97      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
1130 Mission Street  
Santa Cruz, California

| Well       | Sampling Date | Notes | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|------------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
| Trip Blank | 12/03/97      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
| (cont)     | 01/27/98      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 05/28/98      |       | --                        | --                               | < 50                              | < 0.3      | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10       | NA                       |
|            | 08/04/98      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 11/03/98      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 02/01/99      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5      | NA                       |
|            | 05/03/99      |       | --                        | --                               | < 50                              | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 5.00     | NA                       |
|            | 08/30/99      |       | --                        | --                               | < 50                              | <0.500     | <0.500        | <0.500        | <0.500              | <0.500        | <2.50      | NA                       |
|            | 11/04/99      |       | --                        | --                               | < 50                              | <0.500     | <0.500        | <0.500        | <0.500              | <0.500        | <5.00      | NA                       |
|            | 02/18/00      |       | --                        | --                               | <50.0                             | <0.500     | <0.500        | <0.500        | <0.500              | <0.500        | <2.50      | NA                       |
|            | 05/01/00      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <0.50         | <2.5       | NA                       |
|            | 08/01/00      |       | --                        | --                               | <50.0                             | <0.500     | <0.500        | <0.500        | <0.500              | <0.500        | <5.00      | NA                       |
|            | 11/01/00      |       | --                        | --                               | <50.0                             | <0.500     | <0.500        | <0.500        | <0.500              | <0.500        | <2.50      | NA                       |
|            | 01/31/01      |       | --                        | --                               | <50.0                             | <0.500     | <0.500        | <0.500        | <0.500              | <0.500        | <2.50      | NA                       |
|            | 05/02/01      |       | --                        | --                               | <50.0                             | <0.500     | <5.00         | <5.00         | <5.00               | <5.00         | <0.500     | NA                       |
|            | 08/07/01      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <0.50         | <5.0       | NA                       |
|            | 11/02/01      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 02/01/02      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 05/07/02      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 08/02/02      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 02/03/03      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 05/05/03      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 08/05/03      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 11/03/03      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 02/02/04      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 05/03/04      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 08/02/04      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |
|            | 11/01/04      |       | --                        | --                               | <50                               | <0.50      | <0.50         | <0.50         | <0.50               | <1.5          | <2.5       | NA                       |

**Table 2**  
**Historical Groundwater Elevations and Analytical Results**

Former Chevron Service Station #206156  
 1130 Mission Street  
 Santa Cruz, California

| Well | Sampling Date | Notes | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | Methylene Chloride (ppb) |
|------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|
|------|---------------|-------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|--------------------------|

Notes:

TOC = Top of casing

msl = Mean sea level

TPHg = Total petroleum hydrocarbons calculated as gasoline

ppb = Parts per billion

MtBE = Methyl tert-butyl ether

\* = Tested by EPA Method 601

\*\* = Well destroyed August, 1998

-- = Information not available

NM = Not measured

< = Not detected at or above detection limits

ND = Not detected at or above detection limits

NA = Not analyzed

a = High detection limits for MtBE are due to elevated concentrations of target compounds.

b = Chromatogram pattern indicated weathered gasoline

c = MtBE analyzed by EPA Method 8260

d = Laboratory report indicates sample was analyzed outside of EPA recommended hold time.

e = Sample analyzed for fuel oxygenates; however, no constituents were detected.

Earlier field data and analytical results are drawn from the July 21, 1993 Pacific Environmental Group, Inc. report.

The March 17, 1994 analytical results are drawn from the April 25, 1994 Pacific Environmental Group, Inc. report.

Historical information provided to RRM, Inc. by Blaine Tech Services, Inc. (Third Quarter, 1997)

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|      |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet)                       |            |               |               |                     |               | (ppb)                 | (ppb)                         |
| MW-1 | 06/20/91      | 20                 | 71.46                     | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 07/30/91      |                    | 7.31                      | 64.15                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 08/19/91      |                    | 7.63                      | 63.83                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 09/23/91      |                    | 7.79                      | 63.67                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 11/05/91      |                    | NM                        | NM                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 11/14/91      |                    | 7.74                      | 63.72                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 01/03/92      |                    | 5.12                      | 66.34                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 02/27/92      |                    | 3.78                      | 67.68                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 04/21/92      |                    | 5.00                      | 66.46                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 06/02/92      |                    | 6.32                      | 65.14                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 07/03/92      |                    | 6.85                      | 64.61                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 08/05/92      |                    | 7.38                      | 64.08                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 09/04/92      |                    | 7.57                      | 63.89                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 09/24/92      |                    | 7.74                      | 63.72                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 10/09/92      |                    | 7.83                      | 63.63                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 11/09/92      |                    | 7.92                      | 63.54                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 12/10/92      |                    | 6.10                      | 65.36                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 08/14/95      |                    | 6.70                      | 64.76                            | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|      | 08/15/95      |                    | --                        | --                               | 130                                 | ND                           | ND         | ND            | ND            | ND                  | ND            | --                    | --                            |
|      | 12/01/95      |                    | 7.46                      | 64.00                            | --                                  | ND                           | ND         | 0.59          | ND            | ND                  | ND            | --                    | --                            |
|      | 03/19/96      |                    | 3.81                      | 67.65                            | --                                  | ND                           | ND         | 1.2           | ND            | ND                  | 0.96          | --                    | --                            |
|      | 05/10/96      |                    | 5.23                      | 66.23                            | --                                  | ND                           | ND         | ND            | ND            | ND                  | ND            | 0.78                  | --                            |
|      | 08/14/96      |                    | 6.69                      | 64.77                            | --                                  | ND                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|      | 11/13/96      |                    | 7.08                      | 64.38                            | --                                  | ND                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|      | 03/18/97      |                    | 5.02                      | 66.44                            | --                                  | ND                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|      | 05/19/97      |                    | 6.06                      | 65.4                             | --                                  | ND                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|      | 08/21/97      |                    | 7.19                      | 64.27                            | --                                  | < 50                         | < 0.5      | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5                 | --                            |
|      | 11/03/97      |                    | 7.71                      | 63.75                            | --                                  | < 50                         | < 0.5      | < 0.5         | < 0.5         | < 0.5               | 1.1           | < 100 <sup>1</sup>    | NA                            |
|      | 12/03/97      |                    | 3.70                      | 67.76                            | --                                  | NA                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|      | 01/27/98      |                    | 3.39                      | 68.07                            | --                                  | < 50                         | < 0.3      | < 0.3         | 0.4           | 3.2                 | < 10          | NA                    | NA                            |
|      | 05/28/98      |                    | 4.56                      | 66.90                            | --                                  | < 50                         | < 0.3      | < 0.3         | < 0.3         | < 0.6               | < 10          | NA                    | NA                            |
|      | 08/04/98      |                    | 6.12                      | 65.34                            | --                                  | 170                          | < 0.3      | < 0.3         | < 0.3         | < 0.6               | < 10          | NA                    | NA                            |
|      | 11/03/98      |                    | 6.99                      | 64.47                            | --                                  | < 50                         | < 0.3      | < 0.3         | < 0.3         | < 0.6               | < 10          | NA                    | NA                            |
|      | 02/01/99      |                    | 3.33                      | 68.13                            | --                                  | < 50                         | < 0.3      | < 0.3         | < 0.3         | < 0.6               | < 10          | NA                    | NA                            |
|      | 05/03/99 a    |                    | NM                        | --                               | --                                  | NS                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|      | 07/29/99 e    |                    | NM                        | --                               | --                                  | NS                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|      | 08/30/99      |                    | 6.83                      | 64.63                            | --                                  | NS                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet, TOC)                  |            | (ppb)         | (ppb)         | (ppb)               | (ppb)         | (ppb)                 | (ppb)                         |
| MW-1 (cont) | 11/04/99      |                    |                           | 7.41                             | 64.05                               | --                           | <50        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NS                            |
|             | 02/18/00      |                    |                           | 2.80                             | 68.66                               | --                           | <50        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NS                            |
|             | 05/01/00      |                    |                           | 4.76                             | 66.70                               | --                           | <50        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NS                            |
|             | 08/01/00      |                    |                           | 6.48                             | 64.98                               | --                           | 23         | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NS                            |
|             | 11/01/00      |                    |                           | 6.55                             | 64.91                               | --                           | <20        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NS                            |
|             | 01/31/01      |                    |                           | 5.01                             | 66.45                               | --                           | <20        | <0.20         | 0.43          | <0.20               | <0.60         | <5.0                  | NS                            |
|             | 05/16/01 i    |                    |                           | 5.30                             | 66.16                               | --                           | <20        | <0.20         | <0.20         | <0.20               | <0.60         | <0.30                 | NS                            |
|             | 08/07/01      |                    |                           | 6.99                             | 64.47                               | --                           | <50        | <0.20         | <0.20         | <0.20               | <0.60         | <0.30                 | NA                            |
|             | 11/02/01      |                    |                           | 7.16                             | 64.30                               | --                           | <50        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NA                            |
|             | 02/01/02 n    |                    |                           | 4.36                             | 67.10                               | --                           | <50.0      | <0.50         | <0.50         | <0.50               | <0.50         | <0.50                 | NA                            |
|             | 05/07/02 n    |                    |                           | 6.52                             | 64.94                               | --                           | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 08/02/02 n    |                    |                           | 6.85                             | 64.61                               | --                           | 75.2       | <0.5          | <0.5          | <0.5                | <1.0          | <0.5                  | NA                            |
|             | 11/13/02      |                    |                           | 7.41                             | 64.05                               | --                           | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 02/24/03      |                    |                           | 5.03                             | 66.43                               | --                           | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 05/05/03      |                    |                           | 4.42                             | 67.04                               | --                           | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 08/05/03      |                    |                           | 6.63                             | 64.83                               | --                           | 110        | <0.5          | <0.5          | <0.5                | <0.5          | <2.0                  | NA                            |
|             | 11/03/03      |                    |                           | 7.17                             | 64.29                               | --                           | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 02/02/04      |                    |                           | 3.31                             | 68.15                               | --                           | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 05/03/04      |                    |                           | NM                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 08/02/04      |                    |                           | NM                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 11/01/04 q    |                    |                           | --                               | --                                  | --                           | 65.0       | <0.5          | <0.5          | <0.5                | <0.5          | <0.5 <sup>1</sup>     | NA                            |
| MW-2        | 06/20/91      | 24                 | 71.18                     | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/30/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/19/91      |                    |                           | 7.42                             | 63.76                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/23/91      |                    |                           | 7.36                             | 63.82                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/05/91      |                    |                           | 7.43                             | 63.75                               | 7.39                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/14/91      |                    |                           | 7.36                             | 63.82                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 01/03/92      |                    |                           | 5.42                             | 65.76                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 02/27/92      |                    |                           | 4.06                             | 67.12                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 04/21/92      |                    |                           | 5.08                             | 66.10                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 06/02/92      |                    |                           | 6.21                             | 64.97                               | 6.20                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/03/92      |                    |                           | 6.67                             | 64.51                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/05/92      |                    |                           | 7.12                             | 64.06                               | 7.11                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/04/92      |                    |                           | 7.26                             | 63.92                               | 7.25                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/24/92      |                    |                           | 7.38                             | 63.80                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 10/09/92      |                    |                           | 7.39                             | 63.79                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
| MW-2 (cont) | 11/09/92      |                    |                           | 7.50                             | 63.68                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet, TOC)                  |            | (ppb)         | (ppb)         | (ppb)               | (ppb)         | (ppb)                 | (ppb)                         |
|             | 12/10/92      |                    |                           | 5.93                             | 65.25                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/14/95      |                    |                           | 6.57                             | 64.61                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/15/95      |                    |                           | --                               | --                                  | --                           | 5,600      | 120           | 66            | 220                 | 610           | --                    | --                            |
|             | 12/01/95      |                    |                           | 7.12                             | 64.06                               | --                           | 2,600      | 61            | 45            | 160                 | 450           | --                    | --                            |
|             | 03/19/96      |                    |                           | 3.77                             | 67.41                               | --                           | 15,000     | 46            | 62            | 4.0                 | 1,500         | --                    | --                            |
|             | 05/10/96      |                    |                           | 5.23                             | 65.95                               | --                           | 16,000     | 180           | 82            | 630                 | 1,500         | ND                    | --                            |
|             | 08/14/96      |                    |                           | 6.51                             | 64.67                               | --                           | 27,000     | 170           | 120           | 630                 | 2,300         | 790                   | ND                            |
|             | 11/13/96      |                    |                           | 6.75                             | 64.43                               | --                           | 9,000      | 160           | 170           | 760                 | 1,900         | 330                   | ND                            |
|             | 03/18/97      |                    |                           | 5.03                             | 66.15                               | --                           | 3,100      | 67            | 26            | 89                  | 170           | ND                    | --                            |
|             | 05/19/97      |                    |                           | 5.88                             | 65.30                               | --                           | 1,400      | 66            | 41            | 260                 | 390           | ND                    | --                            |
|             | 08/21/97      |                    |                           | 6.88                             | 64.30                               | --                           | 5,900      | 60            | 51            | 250                 | 610           | 190                   | --                            |
|             | 11/03/97      |                    |                           | 7.34                             | 63.84                               | --                           | 5,900      | 44            | 25            | 300                 | 310           | < 2.5                 | NA                            |
|             | 12/03/97      |                    |                           | 3.89                             | 67.29                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98      |                    |                           | 3.59                             | 67.59                               | --                           | 60         | 5             | < 0.3         | 1.7                 | 1             | < 10                  | NA                            |
|             | 05/28/98      |                    |                           | 4.61                             | 66.57                               | --                           | 5,600      | 19            | 6             | 250                 | 270           | < 20                  | NA                            |
|             | 08/04/98      |                    |                           | 5.99                             | 65.19                               | --                           | 2,900      | 18            | 11            | 270                 | 300           | < 10                  | NA                            |
|             | 11/03/98      |                    |                           | 6.69                             | 64.49                               | --                           | 6,300      | 42            | 12            | 280                 | 270           | < 10                  | NA                            |
|             | 02/01/99      |                    |                           | 3.75                             | 67.43                               | --                           | 4,600      | < 20          | 19            | 250                 | 370           | < 10                  | NA                            |
|             | 05/03/99 a    |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 07/29/99 e    |                    |                           | 6.20                             | 64.98                               | --                           | 4,300      | 9.0           | 7             | 610                 | 270           | 16                    | NS                            |
|             | 08/30/99      |                    |                           | 6.54                             | 64.64                               | --                           | 3,600      | 6.5           | 14            | 370                 | 190           | < 5                   | NS                            |
|             | 11/04/99 c    |                    |                           | 7.10                             | 64.08                               | --                           | 4,600      | 11            | 13            | 370                 | 250           | < 10                  | NS                            |
|             | 02/18/00 g    |                    |                           | 3.00                             | 68.18                               | --                           | 1,600      | < 5.0         | 2.4           | 73                  | 91            | < 5.0                 | NS                            |
|             | 05/01/00      |                    |                           | 4.78                             | 66.40                               | --                           | 1,500      | 3.2           | 1.3           | 84                  | 54            | < 10                  | < 5                           |
|             | 08/01/00      |                    |                           | 6.32                             | 64.86                               | --                           | 1,200      | 2.9           | 1.3           | 160                 | 33            | < 10                  | < 5                           |
|             | 11/01/00      |                    |                           | 5.49                             | 65.69                               | --                           | 1,300      | 5.5           | 3.9           | 140                 | 67            | 14                    | < 5                           |
|             | 01/31/01      |                    |                           | 4.16                             | 67.02                               | --                           | 2,000      | < 5.0         | 3.5           | 170                 | 79            | < 50                  | < 5                           |
|             | 05/16/01 i    |                    |                           | 5.00                             | 66.18                               | --                           | 670        | 4.0           | 0.54          | 40                  | 8.0           | < 20                  | < 5                           |
|             | 08/07/01      |                    |                           | 6.81                             | 64.37                               | --                           | < 50       | < 0.20        | < 0.20        | < 0.20              | 0.75          | < 0.30                | NA                            |
|             | 11/02/01      |                    |                           | 6.90                             | 64.28                               | --                           | 2,900      | 14            | < 2.0         | 130                 | 40            | < 5.0                 | NA                            |
|             | 02/01/02 n    |                    |                           | 4.65                             | 66.53                               | --                           | 3,660      | 5.50          | 4.50          | 126                 | 68.2          | 24.0                  | NA                            |
|             | 05/07/02 n    |                    |                           | 5.89                             | 65.29                               | --                           | 1,320      | 13.0          | 8.0           | 124                 | 49.0          | 27.0                  | NA                            |
|             | 08/02/02 n    |                    |                           | 6.65                             | 64.53                               | --                           | 684        | < 0.5         | < 0.5         | 37.1                | 6.6           | 9.4                   | NA                            |
|             | 11/13/02      |                    |                           | 7.15                             | 64.03                               | --                           | 441        | 1.1           | 0.5           | 7.8                 | 5.5           | < 0.5                 | NA                            |
|             | 02/24/03      |                    |                           | 5.21                             | 65.97                               | --                           | 1,060      | 3.7           | 0.8           | 33.4                | 11.6          | < 0.5                 | NA                            |
|             | 05/05/03      |                    |                           | 4.73                             | 66.45                               | --                           | 1,420      | 3.6           | 0.8           | 52.7                | 12.2          | 10.8                  | NA                            |
| MW-2 (cont) | 08/05/03      |                    |                           | 6.51                             | 64.67                               | --                           | 1,020      | 5.7           | 1.4           | 37.6                | 7.8           | 7.1                   | NA                            |
|             | 11/03/03      |                    |                           | 6.90                             | 64.28                               | --                           | 708        | < 0.50        | 1.2           | 4.4                 | 2.0           | 8.6                   | NA                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet, TOC)                  |            | (ppb)         | (ppb)         | (ppb)               | (ppb)         | (ppb)                 | (ppb)                         |
|             | 02/02/04      |                    |                           | 3.90                             | 67.28                               | --                           | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 05/03/04      |                    |                           | 5.77                             | 65.41                               | --                           | 809        | 4.6           | 0.8           | 18.5                | 3.7           | <0.5                  | NA                            |
|             | 08/02/04      | q                  |                           | --                               | --                                  | --                           | 98.3       | 4.6           | <0.5          | <0.5                | <0.5          | 2.8                   | NA                            |
|             | 11/01/04      | q                  |                           | --                               | --                                  | --                           | 64.0       | <0.5          | <0.5          | <0.5                | <0.5          | <0.5 <sup>1</sup>     | NA                            |
| MW-3        | 06/20/91      | 20                 | 71.66                     | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/30/91      |                    |                           | 8.50                             | 63.16                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/19/91      |                    |                           | 9.17                             | 62.49                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/23/91      |                    |                           | 9.11                             | 62.55                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/05/91      |                    |                           | 6.10                             | 65.56                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/14/91      |                    |                           | 8.54                             | 63.12                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 01/03/92      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 02/27/92      |                    |                           | 4.76                             | 66.90                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 04/21/92      |                    |                           | 6.09                             | 65.57                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 06/02/92      |                    |                           | 7.28                             | 64.38                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/03/92      |                    |                           | 7.83                             | 63.83                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/05/92      |                    |                           | 8.62                             | 63.04                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/04/92      |                    |                           | 8.75                             | 62.91                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/24/92      |                    |                           | 8.90                             | 62.76                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 10/09/92      |                    |                           | 8.94                             | 62.72                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/09/92      |                    |                           | 8.93                             | 62.73                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 12/10/92      |                    |                           | 7.13                             | 64.53                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/14/95      |                    |                           | 7.98                             | 63.68                               | --                           | ND         | ND            | ND            | ND                  | ND            | --                    | --                            |
|             | 12/01/95      |                    |                           | --                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 03/19/96      |                    |                           | 4.95                             | 66.71                               | --                           | 3,600      | 230           | 290           | 190                 | 440           | --                    | --                            |
|             | 05/10/96      |                    |                           | 6.21                             | 65.45                               | --                           | 66         | 0.91          | ND            | ND                  | 0.65          | 5                     | --                            |
|             | 08/14/96      |                    |                           | 7.64                             | 64.02                               | --                           | 53         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|             | 11/13/96      |                    |                           | 7.92                             | 63.74                               | --                           | ND         | ND            | 0.52          | ND                  | 1.8           | ND                    | --                            |
|             | 03/18/97      |                    |                           | 6.02                             | 65.64                               | --                           | ND         | 0.83          | ND            | ND                  | ND            | ND                    | --                            |
|             | 05/19/97      | **                 |                           | --                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/21/97      |                    |                           | 8.11                             | 63.55                               | --                           | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5                 | --                            |
|             | 11/03/97      |                    |                           | 8.54                             | 63.12                               | --                           | 47,000     | 560           | 1,200         | 2,000               | 15,000        | < 2.5                 | NA                            |
|             | 12/03/97      |                    |                           | 4.59                             | 67.07                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98      |                    |                           | 4.16                             | 67.50                               | --                           | < 50       | 0.4           | < 0.3         | < 0.3               | < 0.6         | < 10                  | NA                            |
|             | 05/28/98      |                    |                           | 5.57                             | 66.09                               | --                           | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10                  | NA                            |
| MW-3 (cont) | 08/04/98      |                    |                           | 7.00                             | 64.66                               | --                           | < 50       | 0.4           | < 0.3         | 0.4                 | < 0.6         | < 10                  | NA                            |
|             | 11/03/98      |                    |                           | 7.86                             | 63.80                               | --                           | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10                  | NA                            |
|             | 02/01/99      |                    |                           | 4.00                             | 67.66                               | --                           | 90         | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10                  | NA                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet, TOC)                  |            | (ppb)         | (ppb)         | (ppb)               | (ppb)         | (ppb)                 | (ppb)                         |
|             | 05/03/99      | a                  |                           | NM                               | —                                   | —                            | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 07/29/99      | e                  |                           | 7.27                             | 64.39                               | —                            | 60         | 0.5           | ND            | ND                  | ND            | ND                    | NS                            |
|             | 08/30/99      |                    |                           | 7.74                             | 63.92                               | —                            | <50        | <0.3          | <0.3          | <0.3                | <0.6          | <5                    | NS                            |
|             | 11/04/99      |                    |                           | 8.24                             | 63.42                               | —                            | <50        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NS                            |
|             | 02/18/00      |                    |                           | 3.42                             | 68.24                               | —                            | <50        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NS                            |
|             | 05/01/00      |                    |                           | 5.71                             | 65.95                               | —                            | <50        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NS                            |
|             | 08/01/00      |                    |                           | 7.34                             | 64.32                               | —                            | 24         | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NS                            |
|             | 11/01/00      | **                 |                           | NM                               | —                                   | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 01/31/01      | **                 |                           | NM                               | —                                   | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 05/16/01      | i,j                |                           | 5.94                             | 65.72                               | —                            | <20        | <0.20         | <0.20         | <0.20               | <0.60         | <0.30                 | NA                            |
|             | 08/07/01      |                    |                           | 7.86                             | 63.80                               | —                            | <50        | <0.20         | <0.20         | <0.20               | <0.60         | <0.30                 | NA                            |
|             | 11/02/01      |                    |                           | 8.07                             | 63.59                               | —                            | <50        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NA                            |
|             | 02/01/02      | n                  |                           | 5.27                             | 66.39                               | —                            | 76.5       | <0.50         | <0.50         | <0.50               | <0.50         | <0.50                 | NA                            |
|             | 05/07/02      | n                  |                           | 6.42                             | 65.24                               | —                            | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 08/02/02      | n                  |                           | 7.70                             | 63.96                               | —                            | <50.0      | <0.5          | <0.5          | <0.5                | <1.0          | <0.5                  | NA                            |
|             | 11/13/02      |                    |                           | 8.21                             | 63.45                               | —                            | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 02/24/03      |                    |                           | 5.92                             | 65.74                               | —                            | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 05/05/03      |                    |                           | 5.42                             | 66.24                               | —                            | <50.0      | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 08/05/03      |                    |                           | 7.48                             | 64.18                               | —                            | 59.8       | <0.5          | <0.5          | <0.5                | <0.5          | <2.0                  | NA                            |
|             | 11/03/03      |                    |                           | 7.92                             | 63.74                               | —                            | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 02/02/04      |                    |                           | 4.40                             | 67.26                               | —                            | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 05/03/04      |                    |                           | 6.09                             | 65.57                               | —                            | 78.3       | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 08/02/04      | q                  |                           | —                                | —                                   | —                            | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 11/01/04      | q                  |                           | —                                | —                                   | —                            | 60.0       | <0.50         | <0.5          | <0.5                | <0.5          | <0.5 <sup>1</sup>     | NA                            |
| MW-4        | 06/20/91      | 24                 | 69.97                     | 6.08                             | 63.89                               | 6.07                         | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 07/30/91      |                    |                           | NM                               | NM                                  | yes                          | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 08/19/91      |                    |                           | 8.88                             | 61.09                               | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 09/23/91      |                    |                           | NM                               | NM                                  | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 11/05/91      |                    |                           | 8.41                             | 61.56                               | 7.66                         | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 11/14/91      |                    |                           | 7.63                             | 62.34                               | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 01/03/92      |                    |                           | NM                               | NM                                  | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 02/27/92      |                    |                           | 5.31                             | 64.66                               | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 04/21/92      |                    |                           | 6.08                             | 63.89                               | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
| MW-4 (cont) | 06/02/92      |                    |                           | 7.02                             | 62.95                               | 7.00                         | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 07/03/92      |                    |                           | 7.41                             | 62.56                               | —                            | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 08/05/92      |                    |                           | 8.16                             | 61.81                               | 8.01                         | —          | —             | —             | —                   | —             | —                     | —                             |
|             | 09/04/92      |                    |                           | 7.91                             | 62.06                               | 7.79                         | —          | —             | —             | —                   | —             | —                     | —                             |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
 1203 Mission Street  
 Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               |                    |                           |                                  |                                     |                              |            |               |               |                     |               |                       |                               |
|             | 09/24/92      |                    |                           | 8.05                             | 61.92                               | 7.90                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 10/09/92      |                    |                           | 8.02                             | 61.95                               | 7.89                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/09/92      |                    |                           | 7.99                             | 61.98                               | 7.94                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 12/10/92      |                    |                           | 6.99                             | 62.98                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/14/95      |                    |                           | 7.53                             | 62.44                               | --                           | 12,000     | 120           | 260           | 220                 | 2,000         | --                    | --                            |
|             | 12/01/95      |                    |                           | 7.60                             | 62.37                               | --                           | 15,000     | 310           | 740           | 480                 | 3,400         | --                    | --                            |
|             | 03/19/96      |                    |                           | 5.36                             | 64.61                               | --                           | 59,000     | 1,100         | 4,200         | 1,500               | 12,000        | --                    | --                            |
|             | 05/10/96      |                    |                           | 6.61                             | 63.36                               | --                           | 64,000     | 930           | 4,000         | 1,700               | 13,000        | ND                    | --                            |
|             | 08/14/96      |                    |                           | 6.88                             | 63.09                               | --                           | 46,000     | 1,100         | 3,500         | 2,300               | 16,000        | ND                    | --                            |
|             | 11/13/96      |                    |                           | 7.09                             | 62.88                               | --                           | 21,000     | 350           | 580           | 790                 | 4,500         | ND                    | --                            |
|             | 03/18/97      |                    |                           | 5.38                             | 64.59                               | --                           | 46,000     | 740           | 2,500         | 2,800               | 18,000        | ND                    | --                            |
|             | 05/19/97      |                    |                           | 6.27                             | 63.70                               | --                           | 37,000     | 320           | 1,300         | 1,600               | 11,000        | ND                    | --                            |
|             | 08/21/97      |                    |                           | 7.22                             | 62.75                               | --                           | 53,000     | 700           | 1,400         | 1,900               | 14,000        | < 2.5                 | --                            |
|             | 11/03/97      |                    |                           | 7.59                             | 62.38                               | --                           | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5                 | NA                            |
|             | 12/03/97      |                    |                           | 4.28                             | 65.69                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98      |                    |                           | 3.96                             | 66.01                               | --                           | 36,000     | 130           | 710           | 750                 | 7,700         | < 10                  | NA                            |
|             | 05/28/98      |                    |                           | 5.01                             | 64.96                               | --                           | 48,000     | 350           | 810           | 1,400               | 8,000.0       | < 10                  | NA                            |
|             | 08/04/98      |                    |                           | 6.26                             | 63.71                               | --                           | 36,000     | 480           | 760           | 1,200               | 7,100         | < 10                  | NA                            |
|             | 11/03/98      |                    |                           | 7.01                             | 62.96                               | --                           | 46,000     | 330           | 490           | 900                 | 8,200         | < 20                  | NA                            |
|             | 02/01/99      |                    |                           | 3.81                             | 66.16                               | --                           | 33,000     | 87            | 230           | 380                 | 3,700         | < 10                  | NA                            |
|             | 05/03/99 a    |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 07/29/99 e    |                    |                           | 6.56                             | 63.41                               | --                           | 21,000     | 260           | 110           | 410                 | 2,600         | 6.0                   | NS                            |
|             | 08/30/99 c,f  |                    |                           | 6.91                             | 63.06                               | --                           | 28,000     | 250           | 220           | 580                 | 4,000         | <5                    | <10                           |
|             | 11/04/99      |                    |                           | 7.36                             | 62.61                               | --                           | 36,000     | 240           | 280           | 670                 | 4,500         | <5.0                  | NS                            |
|             | 02/18/00      |                    |                           | 3.28                             | 66.69                               | --                           | 18,000     | 9.9           | 47            | 83                  | 1,400         | <5.0                  | NS                            |
|             | 05/01/00      |                    |                           | 5.22                             | 64.75                               | --                           | 15,000     | 83            | 16            | 150                 | 1,600         | <5.0                  | NS                            |
|             | 08/01/00      |                    |                           | 6.61                             | 63.36                               | --                           | 12,000     | 100           | 22            | 150                 | 1,200         | <10                   | <5                            |
|             | 11/01/00 c    |                    |                           | 6.77                             | 63.20                               | --                           | 14,000     | 200           | 37            | 110                 | 1,400         | <10                   | NA                            |
|             | 01/31/01      |                    |                           | 4.49                             | 65.48                               | --                           | 8,200      | 11            | 19            | 77                  | 690           | <5.0                  | NA                            |
|             | 05/16/01 i    |                    |                           | 5.41                             | 64.56                               | --                           | 4,300      | 21            | 1.2           | 17                  | 85            | <5.0                  | NA                            |
|             | 08/07/01      |                    |                           | 7.11                             | 62.86                               | --                           | 5,300      | 63            | 16            | 46                  | 210           | <2.0                  | <2                            |
|             | 11/02/01      |                    |                           | 7.22                             | 62.75                               | --                           | 5,800      | 53            | 22            | 63                  | 380           | <5.0                  | NA                            |
|             | 02/01/02 n    |                    |                           | 4.82                             | 65.15                               | --                           | 5,070      | 11.2          | 5.90          | 15.5                | 69.2          | 6.50                  | NA                            |
| MW-4 (cont) | 05/07/02 n    |                    |                           | 5.90                             | 64.07                               | --                           | 1,480      | 14.0          | 4.0           | 15.8                | 34.1          | 12.3                  | NA                            |
|             | 08/02/02 n    |                    |                           | 6.96                             | 63.01                               | --                           | 946        | 26.2          | 6.9           | 11.3                | 35.7          | 7.1                   | NA                            |
|             | 11/13/02      |                    |                           | 7.43                             | 62.54                               | --                           | 1,080      | 11.5          | 4.8           | 13.2                | 25.0          | <0.5                  | NA                            |
|             | 02/24/03      |                    |                           | 5.44                             | 64.53                               | --                           | 606        | 6.6           | <0.5          | 3.1                 | 9.2           | <0.5                  | NA                            |
|             | 05/05/03      |                    |                           | 5.04                             | 64.93                               | --                           | 1,080      | 1.8           | 6.9           | 15.6                | 48.1          | 4.6                   | NA                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well         | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|--------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|              |               |                    |                           |                                  |                                     |                              |            |               |               |                     |               |                       |                               |
|              | 08/05/03      |                    |                           | 6.80                             | 63.17                               | --                           | 997        | 19.8          | 11.4          | 19.5                | 49.3          | 5.7                   | NA                            |
|              | 11/03/03      |                    |                           | 7.18                             | 62.79                               | --                           | 1,270      | 9.90          | 6.6           | 28.0                | 34.2          | 4.7                   | NA                            |
|              | 02/02/04      |                    |                           | 4.29                             | 65.68                               | --                           | <50.0      | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|              | 05/03/04      |                    |                           | 5.63                             | 64.34                               | --                           | 535        | 4.9           | 2.8           | 5.2                 | 8.0           | <0.5                  | NA                            |
|              | 08/02/04      | q                  |                           | --                               | --                                  | --                           | 2020       | 18.5          | 23.3          | 154                 | 138           | 5.0                   | NA                            |
|              | 11/01/04      | q                  |                           | --                               | --                                  | --                           | 627        | 0.20          | 1.2           | 47.5                | 20            | <0.5 <sup>1</sup>     | NA                            |
| MW-5         | 06/20/91      | 16                 | 69.67                     | 6.13                             | 63.54                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 07/30/91      |                    |                           | 6.50                             | 63.17                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/19/91      |                    |                           | 6.79                             | 62.88                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 09/23/91      |                    |                           | 6.76                             | 62.91                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/05/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/14/91      |                    |                           | 6.65                             | 63.02                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 01/03/92      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 02/27/92      |                    |                           | 4.41                             | 65.26                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 04/21/92      |                    |                           | 5.04                             | 64.63                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 06/02/92      |                    |                           | 5.96                             | 63.71                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 07/03/92      |                    |                           | 6.30                             | 63.37                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/05/92      |                    |                           | 6.70                             | 62.97                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 09/04/92      |                    |                           | 6.72                             | 62.95                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 09/24/92      |                    |                           | 6.79                             | 62.88                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 10/09/92      |                    |                           | 6.71                             | 62.96                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/09/92      |                    |                           | 6.82                             | 62.85                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 12/10/92      |                    |                           | 5.40                             | 64.27                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/14/95      |                    |                           | 6.25                             | 63.42                               | --                           | 610        | 67            | 21            | 27                  | 55            | --                    | --                            |
|              | 12/01/95      |                    |                           | 6.53                             | 63.14                               | --                           | 420        | 37            | 8.4           | 16                  | 51            | --                    | --                            |
|              | 03/19/96      |                    |                           | 4.65                             | 65.02                               | --                           | 110        | 12            | 3.4           | 2.4                 | 2.1           | --                    | --                            |
|              | 05/10/96      |                    |                           | 5.11                             | 64.56                               | --                           | 2,400      | 200           | 210           | 160                 | 660           | 30                    | --                            |
|              | 08/14/96      |                    |                           | 6.06                             | 63.61                               | --                           | 2,600      | 530           | 41            | 110                 | 410           | 18                    | --                            |
|              | 11/13/96      |                    |                           | 6.23                             | 63.44                               | --                           | 2,700      | 270           | 32            | 86                  | 350           | 46                    | --                            |
|              | 03/18/97      |                    |                           | 4.86                             | 64.81                               | --                           | 430        | 93            | 52            | 11                  | 160           | 5.6                   | --                            |
|              | 05/19/97      |                    |                           | 5.52                             | 64.15                               | --                           | 1,900      | 360           | 41            | 49                  | 200           | 31                    | ND                            |
| MW-5 (cont.) | 08/21/97      |                    |                           | 6.25                             | 63.42                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 11/03/97      |                    |                           | 6.53                             | 63.14                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 12/03/97      |                    |                           | 4.35                             | 65.32                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 01/27/98      |                    |                           | 4.01                             | 65.66                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 05/28/98      |                    |                           | 4.57                             | 65.10                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 08/04/98      |                    |                           | 5.54                             | 64.13                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth | TOC Elevation | Depth to Groundwater | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|-------------|---------------|----------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)      | (feet, msl)   | (feet, TOC)          | (feet, msl)                         | (feet, TOC)                  | (ppb)      | (ppb)         | (ppb)         | (ppb)               | (ppb)         | (ppb)                 | (ppb)                         |
|             | 11/03/98      |             |               | 6.15                 | 63.52                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 02/01/99      |             |               | 4.06                 | 65.61                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/03/99 b    |             |               | 4.52                 | 65.15                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 06/15/99      |             |               | 5.29                 | 64.38                               | --                           | 423        | 30.5          | 2.76          | 17.8                | 25.2          | 16.6                  | --                            |
|             | 07/29/99 e    |             |               | NM                   | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/30/99 c,d  |             |               | 5.82                 | 63.85                               | --                           | 2,950      | 178           | 10.2          | 85.5                | 422           | <25.0                 | NS                            |
|             | 11/04/99 c,d  |             |               | 6.45                 | 63.22                               | --                           | 717        | 105           | <5.00         | 5.72                | 32.1          | <50.0                 | NS                            |
|             | 02/18/00 d    |             |               | 3.39                 | 66.28                               | --                           | 920        | 45.6          | 62.9          | 49.1                | 217           | 8.66                  | NS                            |
|             | 05/01/00 d    |             |               | 4.80                 | 64.87                               | --                           | 2,750      | 195           | 175           | 186                 | 641           | 15.8                  | NS                            |
|             | 08/01/00 d    |             |               | 5.41                 | 64.26                               | --                           | <50.0      | <0.500        | <0.500        | <0.500              | <0.500        | <2.50                 | NS                            |
|             | 11/01/00 d    |             |               | 5.25                 | 64.42                               | --                           | 1,350      | 109           | 14.3          | 58.8                | 70.9          | 32.2                  | NS                            |
|             | 01/31/01 d    |             |               | 4.60                 | 65.07                               | --                           | 356        | 18.2          | 1.75          | 5.14                | 21.5          | 17.9                  | NS                            |
|             | 05/02/01 d    |             |               | 5.03                 | 64.64                               | --                           | 6,130      | 213           | 245           | 360                 | 1,200         | 41.4                  | NA                            |
|             | 08/07/01 d    |             |               | 5.39                 | 64.28                               | --                           | 1,500      | 110           | 8.3           | 86                  | 110           | NA                    | <5.0                          |
|             | 11/02/01 d    |             |               | 6.32                 | 63.35                               | --                           | 420        | 22            | 1.5           | 20                  | 20            | <5.0                  | NA                            |
|             | 02/01/02 d    |             |               | 4.73                 | 64.94                               | --                           | 550        | 44            | 5.3           | 21                  | 44            | <5.0                  | NA                            |
|             | 05/07/02 d    |             |               | 5.33                 | 64.34                               | --                           | 870        | 48            | 3.9           | 52                  | 56            | <5.0                  | NA                            |
|             | 08/02/02 d    |             |               | 6.30                 | 63.37                               | --                           | 1,200      | 69            | 5.5           | 40                  | 40            | <5.0                  | NA                            |
|             | 11/13/02 d    |             |               | 5.71                 | 63.96                               | --                           | 960        | 43            | 1.6           | 21                  | 16            | <5.0                  | NA                            |
|             | 02/03/03 d    |             |               | 4.95                 | 64.72                               | --                           | 1,200      | 61            | 11.0          | 40                  | 110           | <5.0                  | NA                            |
|             | 05/05/03 d    |             |               | 4.91                 | 64.76                               | --                           | 11,000     | 430           | 390           | 700                 | 1900          | <250                  | NA                            |
|             | 08/05/03 d    |             |               | 5.98                 | 63.69                               | --                           | 400        | 18            | 0.67          | 6.5                 | 5.2           | <0.50                 | NA                            |
|             | 11/04/03      |             |               | 6.30                 | 63.37                               | --                           | 320        | 16            | 0.64          | 4.9                 | 5.4           | <0.50                 | NA                            |
|             | 02/02/04      |             |               | 4.32                 | 65.35                               | --                           | 350        | 2.1           | <0.50         | <0.50               | 2.2           | <0.50                 | NA                            |
|             | 05/03/04      |             |               | 5.12                 | 64.55                               | --                           | 480        | 30            | 2.8           | 23                  | 26            | <0.50                 | NA                            |
|             | 08/02/04      |             |               | 6.13                 | 63.54                               | --                           | 210        | 12            | 1             | 5.0                 | 5             | <0.50                 | NA                            |
|             | 11/01/04 q    |             |               | --                   | --                                  | --                           | 3,600      | 220           | 81            | 310                 | 1200          | <0.50                 | NA                            |
| MW-6        | 06/20/91      | 13          | 69.44         | 5.83                 | 63.61                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/30/91      |             |               | NM                   | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/19/91      |             |               | 6.96                 | 62.48                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
| MW-6 (cont) | 09/23/91      |             |               | 7.00                 | 62.44                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/05/91      |             |               | NM                   | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/14/91      |             |               | 6.69                 | 62.75                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 01/03/92      |             |               | NM                   | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 02/27/92      |             |               | 4.44                 | 65.00                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 04/21/92      |             |               | 5.23                 | 64.21                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 06/02/92      |             |               | 6.10                 | 63.34                               | 6.04                         | --         | --            | --            | --                  | --            | --                    | --                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date  | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|----------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             | 07/03/92       |                    |                           | 6.40                             | 63.04                               | 6.39                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/05/92       |                    |                           | 6.85                             | 62.59                               | 6.78                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/04/92       |                    |                           | 6.84                             | 62.60                               | 6.76                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/24/92       |                    |                           | 6.88                             | 62.56                               | 6.84                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 10/09/92       |                    |                           | 6.83                             | 62.61                               | 6.79                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/09/92       |                    |                           | 6.86                             | 62.58                               | 6.85                         | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 12/10/92       |                    |                           | 5.40                             | 64.04                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/14/95       |                    |                           | 6.32                             | 63.12                               | --                           | 790        | 80            | 42            | 21                  | 160           | --                    | --                            |
|             | 12/01/95       |                    |                           | 6.59                             | 62.85                               | --                           | 1,800      | 79            | 73            | 48                  | 350           | --                    | --                            |
|             | 03/19/96       |                    |                           | 3.47                             | 65.97                               | --                           | 67,000     | 2,800         | 3,000         | 440                 | 20,000        | --                    | --                            |
|             | 05/10/96       |                    |                           | 5.22                             | 64.22                               | --                           | 30,000     | 1,100         | 1,500         | 240                 | 6,600         | ND                    | --                            |
|             | 08/14/96       |                    |                           | 6.15                             | 63.29                               | --                           | 18,000     | 1,600         | 900           | 430                 | 4,000         | ND                    | --                            |
|             | 11/13/96       |                    |                           | 6.24                             | 63.20                               | --                           | 2,500      | 140           | 110           | 60                  | 320           | ND                    | --                            |
|             | 03/18/97       |                    |                           | 4.95                             | 64.49                               | --                           | 9,800      | 560           | 320           | 260                 | 1,800         | ND                    | --                            |
|             | 05/19/97       |                    |                           | 5.60                             | 63.84                               | --                           | 9,900      | 660           | 450           | 220                 | 2,800         | ND                    | --                            |
|             | 08/21/97       |                    |                           | 6.28                             | 63.16                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | --                            |
|             | 11/03/97       |                    |                           | 6.55                             | 62.89                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 12/03/97       |                    |                           | 4.16                             | 65.28                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98       |                    |                           | 3.81                             | 65.63                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 05/28/98       |                    |                           | 4.51                             | 64.93                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/04/98       |                    |                           | 5.57                             | 63.87                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/03/98       |                    |                           | 6.18                             | 63.26                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 02/01/99       |                    |                           | 4.34                             | 65.10                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/03/99 b     |                    |                           | 4.64                             | 64.80                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 06/15/99 c     |                    |                           | 5.38                             | 64.06                               | --                           | 14,300     | 407           | 322           | 395                 | 2580          | <1,250                | -                             |
|             | 07/29/99 e     |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/30/99 c,d   |                    |                           | 6.03                             | 63.41                               | --                           | 4,920      | 110           | 33.7          | 119                 | 448           | <50.0                 | NS                            |
|             | 11/04/99 c,d   |                    |                           | 6.52                             | 62.92                               | --                           | 3,560      | 275           | 63.1          | 181                 | 376           | <50.0                 | NS                            |
|             | 02/18/00 c,h,d |                    |                           | 4.25                             | 65.19                               | --                           | 29,600     | 998           | 1,400         | 910                 | 6,210         | <100                  | NS                            |
|             | 05/01/00 d     |                    |                           | 4.89                             | 64.55                               | --                           | 23,300     | 700           | 620           | 689                 | 3,830         | 244                   | NS                            |
| MW-6 (cont) | 08/01/00 d     |                    |                           | 5.80                             | 63.64                               | --                           | 22,800     | 544           | 233           | 728                 | 3,000         | 128                   | NS                            |
|             | 11/01/00 c,d   |                    |                           | 5.24                             | 64.20                               | --                           | 33,200     | 1390          | 402           | 1,520               | 8,840         | <250                  | NS                            |
|             | 01/31/01 c,d   |                    |                           | 4.38                             | 65.06                               | --                           | 57,500     | 2,020         | 590           | 2,300               | 13,300        | <1,000                | NS                            |
|             | 05/02/01 c,d   |                    |                           | 5.14                             | 64.30                               | --                           | 12,800     | 409           | 93.6          | 511                 | 1,890         | <100                  | NA                            |
|             | 08/07/01 c,d   |                    |                           | 5.43                             | 64.01                               | --                           | 14,000     | 470           | 37            | 510                 | 2,100         | NA                    | <50                           |
|             | 11/02/01 d     |                    |                           | 6.40                             | 63.04                               | --                           | 2,100      | 45            | 4.0           | 73                  | 180           | <5.0                  | NA                            |
|             | 02/01/02 c,d   |                    |                           | 4.60                             | 64.84                               | --                           | 50,000     | 1,300         | 480           | 1,800               | 9,500         | <100                  | NA                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth | TOC Elevation | Depth to Groundwater | Groundwater Elevation * | Depth to Product | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|-------------|---------------|----------------------|-------------------------|------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)      | (feet, msl)   | (feet, TOC)          | (feet, msl)             | (feet, TOC)      |            |               |               |                     |               |                       |                               |
|             | 05/07/02      | c,d         |               | 5.39                 | 64.05                   | --               | 9,800      | 150           | 26            | 370                 | 820           | <20                   | NA                            |
|             | 08/02/02      | d           |               | 6.20                 | 63.24                   | --               | 2,500      | 200           | 8.0           | 38                  | 330           | <10                   | NA                            |
|             | 11/13/02      | d           |               | 5.72                 | 63.72                   | --               | 5,900      | 230           | 14.0          | 160                 | 680           | <20                   | NA                            |
|             | 02/03/03      | d           |               | 4.93                 | 64.51                   | --               | 46,000     | 1,000         | 190           | 2,000               | 51,000        | <100                  | NA                            |
|             | 05/05/03      | d           |               | 4.81                 | 64.63                   | --               | 22,000     | 1200          | 130           | 980                 | 2400          | <100                  | NA                            |
|             | 08/05/03      | d           |               | 5.95                 | 63.49                   | --               | 3,300      | 52            | 3.7           | 160                 | 140           | <2.5                  | NA                            |
|             | 11/04/03      |             |               | 6.31                 | 63.13                   | --               | 910        | 32            | <2.5          | 35                  | 54            | <2.5                  | NA                            |
|             | 02/02/04      |             |               | 4.34                 | 65.10                   | --               | 42,000     | 1,400         | 130           | 2,400               | 6,700         | <2.5                  | NA                            |
|             | 05/03/04      |             |               | 5.25                 | 64.19                   | --               | 26,000     | 1,100         | 71            | 1,600               | 2,400         | <50                   | NA                            |
|             | 08/02/04      |             |               | 6.15                 | 63.29                   | --               | 500        | 36            | 1             | 25                  | 34            | <0.50                 | NA                            |
|             | 11/01/04      | q           |               | --                   | --                      | --               | 15,000     | 540           | 13.00         | 890                 | 1,400         | <0.50                 | NA                            |
| MW-7        | 06/20/91      | 15          | 61.50         | 6.74                 | 54.76                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/30/91      |             |               | 6.30                 | 55.20                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/19/91      |             |               | 6.33                 | 55.17                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/23/91      |             |               | 6.47                 | 55.03                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/05/91      |             |               | NM                   | NM                      | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/14/91      |             |               | 6.43                 | 55.07                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 01/03/92      |             |               | NM                   | NM                      | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 02/27/92      |             |               | 6.06                 | 55.44                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 04/21/92      |             |               | 6.09                 | 55.41                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 06/02/92      |             |               | 5.96                 | 55.54                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/03/92      |             |               | 6.23                 | 55.27                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/05/92      |             |               | 6.36                 | 55.14                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/04/92      |             |               | 6.41                 | 55.09                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 09/24/92      |             |               | 6.40                 | 55.10                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 10/09/92      |             |               | 6.42                 | 55.08                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/09/92      |             |               | 6.42                 | 55.08                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 12/10/92      |             |               | 6.00                 | 55.50                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/14/95      |             |               | 6.00                 | 55.50                   | --               | ND         | ND            | ND            | ND                  | ND            | --                    | --                            |
| MW-7 (cont) | 12/01/95      |             |               | 6.35                 | 55.15                   | --               | 80         | 0.61          | 0.55          | ND                  | ND            | --                    | --                            |
|             | 03/19/96      |             |               | 4.30                 | 57.20                   | --               | ND         | 1.0           | 1.9           | ND                  | 2.2           | --                    | --                            |
|             | 05/10/96      |             |               | 5.98                 | 55.52                   | --               | ND         | ND            | ND            | ND                  | ND            | 2.8                   | --                            |
|             | 08/14/96      |             |               | 5.84                 | 55.66                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/13/96      |             |               | 3.40                 | 58.10                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 03/18/97      |             |               | 3.45                 | 58.05                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 05/19/97      |             |               | 6.28                 | 55.22                   | --               | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/21/97      |             |               | 6.33                 | 55.17                   | --               | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Ethyl         |               |               |               | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------|---------------|-----------------------|-------------------------------|
|             |               |                    |                           |                                  |                                     |                              |            | Benzene (ppb) | Toluene (ppb) | Benzene (ppb) | Xylenes (ppb) |                       |                               |
|             | 11/03/97      |                    |                           | 5.48                             | 56.02                               | --                           | NA         | NA            | NA            | NA            | NA            | NA                    | NA                            |
|             | 12/03/97      |                    |                           | 5.62                             | 55.88                               | --                           | NA         | NA            | NA            | NA            | NA            | NA                    | NA                            |
|             | 01/27/98      |                    |                           | 5.66                             | 55.84                               | --                           | NA         | NA            | NA            | NA            | NA            | NA                    | NA                            |
|             | 05/28/98      |                    |                           | 5.77                             | 55.73                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 08/04/98      |                    |                           | 5.97                             | 55.53                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/03/98      |                    |                           | 5.98                             | 55.52                               | --                           | 70         | < 0.3         | < 0.3         | < 0.3         | < 0.6         | < 10                  | NA                            |
|             | 02/01/99      |                    |                           | 5.61                             | 55.89                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 05/03/99 a    |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 07/29/99 e    |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 08/30/99      |                    |                           | 5.79                             | 55.71                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/04/99      |                    |                           | 6.34                             | 55.16                               | --                           | 110        | <0.30         | <0.30         | <0.30         | <0.60         | <5.0                  | NS                            |
|             | 02/18/00      |                    |                           | 5.62                             | 55.88                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 05/01/00      |                    |                           | 5.98                             | 55.52                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 08/01/00      |                    |                           | 6.21                             | 55.29                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/01/00      |                    |                           | 6.04                             | 55.46                               | --                           | 130        | <0.20         | <0.20         | <0.20         | <0.60         | <5.0                  | NS                            |
|             | 01/31/01      |                    |                           | 5.88                             | 55.62                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 05/02/01      |                    |                           | 9.05                             | 52.45                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 08/07/01      |                    |                           | 6.30                             | 55.20                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/02/01      |                    |                           | 6.13                             | 55.37                               | --                           | 110        | <0.20         | <0.20         | <0.20         | <0.60         | <5.0                  | NA                            |
|             | 02/01/02 n    |                    |                           | 5.93                             | 55.57                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 05/07/02 n    |                    |                           | 6.05                             | 55.45                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 08/02/02 n    |                    |                           | 6.11                             | 55.39                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/13/02      |                    |                           | 6.30                             | 55.20                               | --                           | 85.2       | <0.5          | <0.5          | <0.5          | <0.5          | <0.5                  | NA                            |
|             | 02/24/03      |                    |                           | 5.92                             | 55.58                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 05/05/03      |                    |                           | 5.92                             | 55.58                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 08/05/03      |                    |                           | 6.16                             | 55.34                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/03/03      |                    |                           | 6.16                             | 55.34                               | --                           | 95.90      | <0.50         | <0.5          | <0.5          | <0.5          | 1.1                   | NA                            |
|             | 02/02/04      |                    |                           | 3.19                             | 58.31                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 05/03/04      |                    |                           | 6.07                             | 55.43                               | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
| MW-7 (cont) | 08/02/04 q    |                    |                           | --                               | --                                  | --                           | NS         | NS            | NS            | NS            | NS            | NS                    | NS                            |
|             | 11/01/04 q    |                    |                           | --                               | --                                  | --                           | <50.0      | <0.50         | <0.5          | <0.5          | <0.5          | <0.5 <sup>1</sup>     | NA                            |
| MW-8        | 06/20/91      | 10                 | 66.35                     | 5.50                             | 60.85                               | --                           | --         | --            | --            | --            | --            | --                    | --                            |
|             | 07/30/91      |                    |                           | 6.05                             | 60.30                               | --                           | --         | --            | --            | --            | --            | --                    | --                            |
|             | 08/19/91      |                    |                           | 6.38                             | 59.97                               | --                           | --         | --            | --            | --            | --            | --                    | --                            |
|             | 09/23/91      |                    |                           | 6.55                             | 59.80                               | --                           | --         | --            | --            | --            | --            | --                    | --                            |
|             | 11/05/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --            | --            | --                    | --                            |
|             | 11/14/91      |                    |                           | 6.42                             | 59.93                               | --                           | --         | --            | --            | --            | --            | --                    | --                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth | TOC Elevation | Depth to Groundwater | Groundwater Elevation * | Depth to Product | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 | EPA Method 8240 or 8270 |
|-------------|---------------|-------------|---------------|----------------------|-------------------------|------------------|------------|---------------|---------------|---------------------|---------------|-----------------|-------------------------|
|             |               | (feet)      | (feet, msl)   | (feet, TOC)          | (feet, msl)             | (feet, TOC)      |            |               |               |                     |               | (ppb)           | (ppb)                   |
| MW-8 (cont) | 01/03/92      |             |               | NM                   | NM                      | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 02/27/92      |             |               | 2.87                 | 63.48                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 04/21/92      |             |               | 4.08                 | 62.27                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 06/02/92      |             |               | 4.54                 | 61.81                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 07/03/92      |             |               | 5.83                 | 60.52                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 08/05/92      |             |               | 6.25                 | 60.10                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 09/04/92      |             |               | 6.48                 | 59.87                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 09/24/92      |             |               | 6.61                 | 59.74                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 10/09/92      |             |               | 6.68                 | 59.67                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 11/09/92      |             |               | 6.56                 | 59.79                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 12/10/92      |             |               | 5.42                 | 60.93                   | --               | --         | --            | --            | --                  | --            | --              | --                      |
|             | 08/14/95      |             |               | 5.54                 | 60.81                   | --               | ND         | ND            | ND            | ND                  | ND            | --              | --                      |
|             | 12/01/95      |             |               | 6.32                 | 60.03                   | --               | ND         | 2.8           | 0.66          | ND                  | 2.7           | --              | --                      |
|             | 03/19/96      |             |               | 1.85                 | 64.50                   | --               | ND         | ND            | 0.66          | ND                  | ND            | --              | --                      |
|             | 05/10/96      |             |               | 3.30                 | 63.05                   | --               | ND         | ND            | ND            | ND                  | ND            | ND              | --                      |
|             | 08/14/96      |             |               | 5.70                 | 60.65                   | --               | ND         | ND            | ND            | ND                  | ND            | ND              | --                      |
|             | 11/13/96      |             |               | 5.86                 | 60.49                   | --               | ND         | ND            | ND            | ND                  | ND            | 2.7             | --                      |
|             | 03/18/97      |             |               | 3.90                 | 62.45                   | --               | ND         | ND            | ND            | ND                  | ND            | ND              | --                      |
|             | 05/19/97      |             |               | 5.24                 | 61.11                   | --               | ND         | ND            | ND            | ND                  | ND            | ND              | --                      |
|             | 08/21/97      |             |               | 6.05                 | 60.30                   | --               | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5           | --                      |
|             | 11/03/97      |             |               | 6.48                 | 59.87                   | --               | < 50       | < 0.5         | < 0.5         | < 0.5               | < 0.5         | < 2.5           | NA                      |
|             | 12/03/97      |             |               | 2.90                 | 63.45                   | --               | NA         | NA            | NA            | NA                  | NA            | NA              | NA                      |
|             | 01/27/98      |             |               | 2.63                 | 63.72                   | --               | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10            | NA                      |
|             | 05/28/98      |             |               | 3.04                 | 63.31                   | --               | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10            | NA                      |
|             | 08/04/98      |             |               | 5.09                 | 61.26                   | --               | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10            | NA                      |
|             | 11/03/98      |             |               | 5.82                 | 60.53                   | --               | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10            | NA                      |
|             | 02/01/99      |             |               | 2.61                 | 63.74                   | --               | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10            | NA                      |
|             | 05/03/99 a    |             |               | NM                   | --                      | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |
|             | 07/29/99 e    |             |               | NM                   | --                      | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |
|             | 08/30/99      |             |               | 5.70                 | 60.65                   | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |
|             | 11/04/99      |             |               | 6.20                 | 60.15                   | --               | 160        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0            | NS                      |
|             | 02/18/00      |             |               | 2.78                 | 63.57                   | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |
|             | 05/01/00      |             |               | 3.02                 | 63.33                   | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |
|             | 08/01/00      |             |               | 5.47                 | 60.88                   | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |
|             | 11/01/00      |             |               | 4.61                 | 61.74                   | --               | <20        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0            | NS                      |
|             | 01/31/01      |             |               | 4.50                 | 61.85                   | --               | 39         | <0.20         | <0.20         | <0.20               | 0.72          | 1.0             | <5.0                    |
|             | 05/02/01 k    |             |               | 4.24                 | 62.11                   | --               | NS         | NS            | NS            | NS                  | NS            | NS              | NS                      |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
 1203 Mission Street  
 Santa Cruz, California

| Well        | Sampling Date | Total Depth | TOC Elevation | Depth to Groundwater | Groundwater Elevation * | Depth to Product | TPHg (ppb) | Ethyl         |               |               | EPA Method 8020 | EPA Method 8240 or 8270 |
|-------------|---------------|-------------|---------------|----------------------|-------------------------|------------------|------------|---------------|---------------|---------------|-----------------|-------------------------|
|             |               | (feet)      | (feet, msl)   | (feet, TOC)          | (feet, msl)             | (feet, TOC)      |            | Benzene (ppb) | Toluene (ppb) | Benzene (ppb) | Xylenes (ppb)   | (ppb)                   |
|             | 08/07/01      |             |               | 5.93                 | 60.42                   | --               | NS         | NS            | NS            | NS            | NS              | NS                      |
|             | 11/02/01      |             |               | 6.10                 | 60.25                   | --               | <50        | <0.20         | <0.20         | <0.20         | <0.60           | <5.0                    |
|             | 02/01/02 n    |             |               | 3.62                 | 62.73                   | --               | <50.0      | <0.50         | 0.80          | <0.50         | <0.50           | <0.50                   |
|             | 05/07/02 n    |             |               | 4.17                 | 62.18                   | --               | <50.0      | <0.5          | <0.5          | <0.5          | <0.5            | NA                      |
|             | 08/02/02 n, o |             |               | 6.70                 | 59.65                   | --               | <50.0      | <1.0          | <1.0          | <1.0          | <1.0            | <2.0                    |
|             | 11/13/02      |             |               | 6.07                 | 60.28                   | --               | <50.0      | <0.5          | <0.5          | <0.5          | <0.5            | NA                      |
|             | 02/24/03      |             |               | 4.08                 | 62.27                   | --               | <50.0      | <0.5          | <0.5          | <0.5          | <0.5            | NA                      |
|             | 05/05/03      |             |               | 3.49                 | 62.86                   | --               | <50.0      | <0.5          | <0.5          | <0.5          | <0.5            | NA                      |
|             | 08/05/03      |             |               | 5.51                 | 60.84                   | --               | <50.0      | <0.5          | <0.5          | <0.5          | <0.5            | <2.0                    |
|             | 11/03/03      |             |               | 5.87                 | 60.48                   | --               | <50.0      | <0.50         | <0.5          | <0.5          | <0.5            | NA                      |
|             | 02/02/04      |             |               | 2.79                 | 63.56                   | --               | <50.0      | <0.50         | <0.5          | <0.5          | <0.5            | NA                      |
|             | 05/03/04      |             |               | 4.33                 | 62.02                   | --               | <50.0      | <0.50         | <0.5          | <0.5          | <0.5            | NA                      |
|             | 08/02/04 q    |             |               | --                   | --                      | --               | <50.0      | <0.50         | <0.5          | <0.5          | <0.5            | <0.50                   |
|             | 11/01/04 q    |             |               | --                   | --                      | --               | <50.0      | <0.50         | <0.5          | <0.5          | <0.5            | <0.5 <sup>1</sup>       |
| MW-9        | 06/20/91      | 13          | 70.75         | 6.60                 | 64.15                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 07/30/91      |             |               | 7.37                 | 63.38                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 08/19/91      |             |               | 7.75                 | 63.00                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 09/23/91      |             |               | 7.98                 | 62.77                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 11/05/91      |             |               | NM                   | NM                      | --               | --         | --            | --            | --            | --              | --                      |
|             | 11/14/91      |             |               | 7.80                 | 62.95                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 01/03/92      |             |               | NM                   | NM                      | --               | --         | --            | --            | --            | --              | --                      |
|             | 02/27/92      |             |               | 3.49                 | 67.26                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 04/21/92      |             |               | 4.98                 | 65.77                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 06/02/92      |             |               | 6.33                 | 64.42                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 07/03/92      |             |               | 6.93                 | 63.82                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 08/05/92      |             |               | 7.62                 | 63.13                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 09/04/92      |             |               | 7.86                 | 62.89                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 09/24/92      |             |               | 8.01                 | 62.74                   | --               | --         | --            | --            | --            | --              | --                      |
| MW-9 (cont) | 10/09/92      |             |               | 8.09                 | 62.66                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 11/09/92      |             |               | 8.07                 | 62.68                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 12/10/92      |             |               | 5.77                 | 64.98                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 08/14/95      |             |               | 6.73                 | 64.02                   | --               | ND         | ND            | ND            | ND            | ND              | --                      |
|             | 12/01/95      |             |               | 7.64                 | 63.11                   | --               | 140        | 2.0           | 1.9           | 2.5           | 9.8             | --                      |
|             | 03/19/96      |             |               | 3.54                 | 67.21                   | --               | 88         | 0.86          | 2.7           | 0.88          | 5.6             | --                      |
|             | 05/10/96      |             |               | 5.15                 | 65.60                   | --               | ND         | ND            | ND            | ND            | ND              | 9.1                     |
|             | 08/14/96      |             |               | 6.75                 | 64.00                   | --               | --         | --            | --            | --            | --              | --                      |
|             | 11/13/96      |             |               | 7.06                 | 63.69                   | --               | --         | --            | --            | --            | --              | --                      |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
 1203 Mission Street  
 Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet, TOC)                  |            | (ppb)         | (ppb)         | (ppb)               | (ppb)         | (ppb)                 | (ppb)                         |
|             | 03/18/97      |                    |                           | 4.90                             | 65.85                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 05/19/97      |                    |                           | 6.04                             | 64.71                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/21/97      |                    |                           | 7.24                             | 63.51                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | --                            |
|             | 11/03/97      |                    |                           | 7.69                             | 63.06                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 12/03/97      |                    |                           | 3.35                             | 67.40                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98      |                    |                           | 2.54                             | 68.21                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 05/28/98      |                    |                           | 4.34                             | 66.41                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/04/98      |                    |                           | 6.07                             | 64.68                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/03/98      |                    |                           | 6.98                             | 63.77                               | --                           | 240        | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10                  | NA                            |
|             | 02/01/99      |                    |                           | 2.51                             | 68.24                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/03/99 a    |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 07/29/99 e    |                    |                           | NM                               | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/30/99      |                    |                           | 6.83                             | 63.92                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/04/99      |                    |                           | 7.44                             | 63.31                               | --                           | 270        | <0.30         | <0.30         | <0.30               | <0.60         | <5.0                  | NA                            |
|             | 02/18/00      |                    |                           | 2.11                             | 68.64                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/01/00      |                    |                           | 4.64                             | 66.11                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/01/00      |                    |                           | 6.44                             | 64.31                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/01/00      |                    |                           | 5.37                             | 65.38                               | --                           | 200        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NA                            |
|             | 01/31/01      |                    |                           | 4.45                             | 66.30                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/02/01 i    |                    |                           | 4.87                             | 65.88                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/07/01      |                    |                           | 6.97                             | 63.78                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/02/01      |                    |                           | 7.19                             | 63.56                               | --                           | 240        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NA                            |
|             | 02/01/02 n    |                    |                           | 4.05                             | 66.70                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/07/02 n    |                    |                           | 5.38                             | 65.37                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/02/02 n    |                    |                           | 6.81                             | 63.94                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/13/02      |                    |                           | 7.36                             | 63.39                               | --                           | 145        | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 02/24/03      |                    |                           | 5.80                             | 64.95                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/05/03      |                    |                           | 4.21                             | 66.54                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
| MW-9 (cont) | 08/05/03      |                    |                           | 6.57                             | 64.18                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/03/03      |                    |                           | 7.00                             | 63.75                               | --                           | 151        | <0.50         | <0.5          | <0.5                | <0.5          | <0.5                  | NA                            |
|             | 02/02/04      |                    |                           | 2.52                             | 68.23                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/03/04      |                    |                           | 5.02                             | 65.73                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/02/04 q    |                    |                           | --                               | --                                  | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/01/04 q    |                    |                           | --                               | --                                  | --                           | 67.0       | <0.50         | <0.5          | <0.5                | <0.5          | <0.5 <sup>1</sup>     | NA                            |
| MW-10       | 06/20/91      | 13                 | 71.88                     | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 07/30/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/19/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
 1203 Mission Street  
 Santa Cruz, California

| Well         | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|--------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|              | 09/23/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/05/91      |                    |                           | NM                               | NM                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/14/91      |                    |                           | 7.37                             | 64.51                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 01/03/92      |                    |                           | 4.71                             | 67.17                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 02/27/92      |                    |                           | 2.87                             | 69.01                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 04/21/92      |                    |                           | 4.32                             | 67.56                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 06/02/92      |                    |                           | 5.73                             | 66.15                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 07/03/92      |                    |                           | 6.32                             | 65.56                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/05/92      |                    |                           | 6.86                             | 65.02                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 09/04/92      |                    |                           | 7.19                             | 64.69                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 09/24/92      |                    |                           | 7.36                             | 64.52                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 10/09/92      |                    |                           | 7.46                             | 64.42                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/09/92      |                    |                           | 7.51                             | 64.37                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 12/10/92      |                    |                           | 5.70                             | 66.18                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/14/95      |                    |                           | 6.10                             | 65.78                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/15/95      |                    |                           | --                               | --                                  | --                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|              | 12/01/95      |                    |                           | 7.06                             | 64.82                               | --                           | ND         | ND            | ND            | ND                  | ND            | 3.7                   | --                            |
|              | 03/19/96      |                    |                           | 4.14                             | 67.74                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 05/10/96      |                    |                           | 5.47                             | 66.41                               | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 08/14/96      |                    |                           | --                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/13/96      |                    |                           | --                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 03/18/97      | ***                | --                        | --                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 05/19/97      | ***                | --                        | --                               | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|              | 11/03/97      |                    |                           | 7.46                             | 64.42                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 12/03/97      |                    |                           | NM                               | NM                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 01/27/98      |                    |                           | 1.99                             | 69.89                               | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|              | 05/28/98      |                    |                           | 3.51                             | 68.37                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
| MW-10 (cont) | 08/04/98      |                    |                           | 5.66                             | 66.22                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 11/03/98      |                    |                           | 6.55                             | 65.33                               | --                           | < 50       | < 0.3         | < 0.3         | < 0.3               | < 0.6         | < 10                  | NA                            |
|              | 02/01/99      |                    |                           | 2.60                             | 69.28                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 05/03/99      | a                  | NM                        | --                               | --                                  | NS                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 07/29/99      | e                  | NM                        | --                               | --                                  | NS                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 08/30/99      |                    |                           | 6.48                             | 65.40                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 11/04/99      |                    |                           | 6.99                             | 64.89                               | --                           | <50        | <0.30         | 1.7           | 0.4                 | 3.8           | <5.0                  | NS                            |
|              | 02/18/00      |                    |                           | 1.96                             | 69.92                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 05/01/00      |                    |                           | 4.06                             | 67.82                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 08/01/00      |                    |                           | 6.03                             | 65.85                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|              | 11/01/00      |                    |                           | 5.06                             | 66.82                               | --                           | 40         | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NS                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
|             |               | (feet)             | (feet, msl)               | (feet, TOC)                      | (feet, msl)                         | (feet)                       |            |               |               |                     |               | (ppb)                 | (ppb)                         |
|             | 01/31/01      |                    |                           | 3.49                             | 68.39                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/02/01      | m                  |                           | 3.96                             | 67.92                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/07/01      |                    |                           | 6.55                             | 65.33                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/02/01      |                    |                           | 6.78                             | 65.10                               | --                           | <50        | <0.20         | <0.20         | <0.20               | <0.60         | <5.0                  | NA                            |
|             | 02/01/02      | n                  |                           | 3.70                             | 68.18                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/07/02      | n                  |                           | 4.82                             | 67.06                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 08/02/02      | n                  |                           | 6.40                             | 65.48                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 11/13/02      |                    |                           | 7.03                             | 64.85                               | --                           | <50        | <0.5          | <0.5          | <0.5                | <0.5          | <0.5                  | NS                            |
|             | 02/24/03      |                    |                           | 4.35                             | 67.53                               | --                           | NS         | NS            | NS            | NS                  | NS            | NS                    | NS                            |
|             | 05/05/03      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 08/05/03      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 11/03/03      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 02/02/04      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 05/03/04      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 08/02/04      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 11/01/04      |                    |                           | --                               | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
| RW-1        | 08/14/95      | --                 | --                        | 8.25                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/15/95      | --                 | --                        | --                               | --                                  | --                           | ND         | ND            | ND            | ND                  | 0.73          | --                    | --                            |
|             | 12/01/95      | --                 |                           | 9.07                             | --                                  | --                           | ND         | ND            | ND            | ND                  | 3.7           | --                    | --                            |
|             | 03/19/96      | --                 |                           | 4.95                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 05/10/96      | --                 |                           | 6.60                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/14/96      | --                 |                           | 8.08                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 11/13/96      | --                 |                           | 8.30                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 03/18/97      | --                 |                           | 6.34                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 05/19/97      | --                 |                           | 7.37                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
| RW-1 (cont) | 11/03/97      |                    |                           | 8.86                             | --                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 12/03/97      |                    |                           | NM                               | NM                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98      | p                  |                           | NM                               | NM                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
| RW-2        | 08/14/95      | --                 | --                        | 9.10                             | --                                  | --                           | --         | --            | --            | --                  | --            | --                    | --                            |
|             | 08/15/95      | --                 | --                        | --                               | --                                  | --                           | 5,900      | 290           | 190           | 220                 | 760           | --                    | --                            |
|             | 12/01/95      | --                 |                           | 9.88                             | --                                  | --                           | 270        | 15            | 0.52          | 7.6                 | 4.7           | --                    | --                            |
|             | 03/19/96      | --                 |                           | 6.42                             | --                                  | --                           | ND         | ND            | 0.87          | ND                  | 0.56          | --                    | --                            |
|             | 05/10/96      | --                 |                           | 6.12                             | --                                  | --                           | ND         | ND            | ND            | ND                  | ND            | 0.65                  | --                            |
|             | 08/14/96      | --                 |                           | 7.46                             | --                                  | --                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|             | 11/13/96      | --                 |                           | 7.74                             | --                                  | --                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |
|             | 03/18/97      | --                 |                           | 5.89                             | --                                  | --                           | ND         | ND            | ND            | ND                  | ND            | ND                    | --                            |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well | Sampling Date | Total Depth | TOC Elevation | Depth to Groundwater | Groundwater Elevation * | Depth to Product | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene |       | EPA Method 8020 | EPA Method 8240 or 8270 |
|------|---------------|-------------|---------------|----------------------|-------------------------|------------------|------------|---------------|---------------|---------------|-------|-----------------|-------------------------|
|      |               | (feet)      | (feet, msl)   | (feet, TOC)          | (feet, msl)             | (feet, TOC)      |            |               |               | Xylenes (ppb) | (ppb) | (ppb)           | (ppb)                   |
| RW-3 | 05/19/97      | --          |               | 6.84                 | --                      | --               | ND         | ND            | ND            | ND            | ND    | ND              | --                      |
|      | 11/03/97      |             |               | 8.30                 | --                      | --               | NA         | NA            | NA            | NA            | NA    | NA              | NA                      |
|      | 12/03/97      |             | NM            | NM                   | --                      | --               | NA         | NA            | NA            | NA            | NA    | NA              | NA                      |
|      | 01/27/98      |             | NM            | NM                   | --                      | --               | NA         | NA            | NA            | NA            | NA    | NA              | NA                      |
|      | 08/14/95      | --          | --            | 7.45                 | --                      | --               | --         | --            | --            | --            | --    | --              | --                      |
|      | 12/01/95      | --          |               | 7.88                 | --                      | --               | 3,300      | 270           | 130           | 240           | 530   | --              | --                      |
|      | 03/19/96      | --          |               | 6.68                 | --                      | --               | 98         | 0.78          | 1.1           | ND            | ND    | --              | --                      |
|      | 05/10/96      | --          |               | 5.68                 | --                      | --               | 2,700      | 260           | 24            | 180           | 230   | 11              | --                      |
|      | 08/14/96      | --          |               | 6.98                 | --                      | --               | 1,900      | 290           | 50            | 190           | 66    | ND              | --                      |
|      | 11/13/96      | --          |               | 7.18                 | --                      | --               | 130        | 13            | 2.3           | 11            | 4.0   | 4.8             | --                      |
| RW-4 | 03/18/97      | --          |               | 5.45                 | --                      | --               | 800        | 130           | 6.3           | 55            | 5.8   | ND              | --                      |
|      | 05/19/97      | --          |               | 6.33                 | --                      | --               | 1,100      | 180           | 13            | 77            | 13    | ND              | --                      |
|      | 11/03/97      |             |               | 7.72                 | --                      | --               | NA         | NA            | NA            | NA            | NA    | NA              | NA                      |
|      | 12/03/97      |             | NM            | NM                   | --                      | --               | NA         | NA            | NA            | NA            | NA    | NA              | NA                      |
|      | 01/27/98      | p           |               | NM                   | NM                      | --               | NA         | NA            | NA            | NA            | NA    | NA              | NA                      |
|      | 08/14/95      | --          | --            | 12.10                | --                      | --               | --         | --            | --            | --            | --    | --              | --                      |
|      | 12/01/95      | --          |               | 7.82                 | --                      | --               | 100        | 1.7           | 0.70          | 0.80          | 9.5   | --              | --                      |
|      | 03/19/96      | --          |               | --                   | --                      | --               | --         | --            | --            | --            | --    | --              | --                      |
|      | 05/28/98      | --          |               | NM                   | --                      | --               | NS         | NS            | NS            | NS            | NS    | NS              | NS                      |
|      | 05/10/96      | --          |               | 5.00                 | --                      | --               | 7,100      | 160           | 730           | 260           | 1,000 | 60              | --                      |
| RW-4 | 08/14/96      | --          |               | 6.15                 | --                      | --               | 5,600      | 100           | 450           | 360           | 1,100 | ND              | --                      |
|      | 11/13/96      | --          |               | 6.34                 | --                      | --               | 2,200      | 68            | 110           | 170           | 430   | ND              | --                      |
|      | 03/18/97      | --          |               | 4.70                 | --                      | --               | 3,900      | 150           | ND            | 280           | 830   | 72              | --                      |
|      | 05/19/97      | --          |               | 5.54                 | --                      | --               | 1,700      | 48            | 64            | 100           | 160   | ND              | --                      |

**Table 3**  
**Historical Groundwater Elevations and Analytical Results**

Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California

| Well        | Sampling Date | Total Depth (feet) | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation * (feet, msl) | Depth to Product (feet, TOC) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | EPA Method 8020 (ppb) | EPA Method 8240 or 8270 (ppb) |
|-------------|---------------|--------------------|---------------------------|----------------------------------|-------------------------------------|------------------------------|------------|---------------|---------------|---------------------|---------------|-----------------------|-------------------------------|
| RW-4 (cont) | 11/03/97      |                    |                           | NM                               | NM                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 12/03/97      |                    |                           | NM                               | NM                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |
|             | 01/27/98      | p                  |                           | NM                               | NM                                  | --                           | NA         | NA            | NA            | NA                  | NA            | NA                    | NA                            |

Notes:

TOC = Top of casing

msl = Mean sea level

MtBE = Methyl tert-butyl ether

TPHg = Total petroleum hydrocarbons calculated as gasoline

\* = A product density difference factor of 0.80 was used for the wells with free floating product

ppb = Parts per billion

\*\* = Well inaccessible

1= This sample analyzed by EPA Method 8260

NM = Not measured

NA = Not analyzed or not available

ND = Not detected at or above indicated detection limit

< = Not detected at or above detection limits

\*\*\* = Well not located

-- = Information not available or not provided by consultant

a = Quarterly monitoring not performed pending site closure request.

b = Samples from 5/3/99 monitoring event were mislabeled, wells resampled 6/15/99.

c = High detection limits for MtBE due to elevated levels of target compounds.

d = Quarterly monitoring performed by BlaineTech Services for Equiva.

e = Second quarter 1999 monitoring event sampled and reported separately.

f = EPA 8020 analytical results re-evaluated, and reporting limit lowered to 5 ppb.

g = The reporting limit for benzene was raised due to the presence of an interferent.

h = Lab noted unidentified hydrocarbons and weathered gasoline in the chromatogram pattern.

i = Depth to groundwater measured on 5/2/01.

j = Tetrachloroethene was detected at 45 ppb.

k = Tetrachloroethene and trichloroethene were detected at 23 ppb and 1.0 ppb, respectively.

l = Tetrachloroethene was detected at 370 ppb.

m = Tetrachloroethene was detected at 620 ppb.

n = TOC elevations for wells MW-1 through MW-4 and MW-7 through MW-10 resurveyed 11/20/01 at 73.94 ft msl, 73.83 ft msl, 73.97 ft msl, 73.13 ft msl, 64.04 ft msl, 68.94 ft msl, 72.86 ft msl and 74.59 ft msl, respectively; however, new elevations not used, as the datum used is inconsistent with survey data at joint monitoring sites.

o = Groundwater sample collected at well on 8/14/02

p = Well destroyed, 1997

Q = Groundwater data invalidated; analytical results suspect

Historical information provided to RRM, Inc. by Alton Geoscience (Third Quarter, 1997)





**Table 4**  
**Historical Groundwater Elevations and Analytical Results**

Former Shell Service Station  
1129 Mission Street  
Santa Cruz, California

| Well       | Sampling Date | TOC                   | Depth to Groundwater | Groundwater           | Ethyl      |               |               | Vinyl         | Dichloro-     | Tetrachloro- |            |                 |               |
|------------|---------------|-----------------------|----------------------|-----------------------|------------|---------------|---------------|---------------|---------------|--------------|------------|-----------------|---------------|
|            |               | Elevation (feet, msl) | (feet, TOC)          | Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Benzene (ppb) | Xylenes (ppb) | MtBE (ppb)   | TCE* (ppb) | Chloride* (ppb) | ethene* (ppb) |
| S-2 (cont) | 11/03/98      |                       | 6.00                 | 63.80                 | < 50       | < 0.5         | < 0.5         | < 0.5         | < 0.5         | < 2.5        | <0.50      | <1.0            | <0.50         |
|            | 02/01/99      | f                     | 5.11                 | 64.69                 | < 50       | < 0.5         | < 0.5         | < 0.5         | < 0.5         | < 2.5        | <0.50      | <1.0            | <0.50         |
|            | 05/03/99      | g                     | 4.41                 | 65.39                 | NA         | NA            | NA            | NA            | NA            | NA           | NA         | NA              | NA            |
|            | 06/15/99      |                       | 5.10                 | 64.70                 | <50        | <0.5          | <0.5          | <0.5          | <0.5          | 4.74         | 1.50       | <2.50           | 47.0          |
|            | 08/30/99      |                       | 5.68                 | 64.12                 | <50        | <0.500        | <0.500        | <0.500        | <0.500        | <5.00        | <0.500     | 5.69            | 9.91          |
|            | 11/04/99      |                       | 6.20                 | 63.60                 | <50        | <0.500        | <0.500        | <0.500        | <0.500        | <5.00        | <0.500     | <0.500          | 1.70          |
|            | 02/18/00      | j                     | 3.12                 | 66.68                 | <50.0      | 1.40          | <0.500        | <0.500        | <0.500        | 2.90         | <0.500     | 8.70            | 7.95          |
|            | 05/01/00      | k                     | 70.11                | 4.95                  | 65.16      | <50.0         | <0.500        | <0.500        | <0.500        | <2.50        | <0.500     | 2.11            | 2.58          |
|            | 08/01/00      |                       | 5.63                 | 64.48                 | <50.0      | <0.500        | <0.500        | <0.500        | <0.500        | <2.50        | <0.500     | <1.00           | 0.607         |
|            | 11/01/00      |                       | 5.52                 | 64.59                 | <50.0      | <0.500        | <0.500        | <0.500        | <0.500        | <2.50        | <0.500     | <1.00           | 1.13          |
|            | 01/31/01      | l                     | 4.62                 | 65.49                 | <50.0      | <0.500        | <0.500        | <0.500        | <0.500        | <2.50        | <0.500     | 11.7            | 13.6          |
|            | 05/02/01      |                       | 5.28                 | 64.83                 | <50.0      | <0.500        | <0.500        | <0.500        | <0.500        | <2.50        | <0.500     | <1.00           | 1.22          |
|            | 08/07/01      |                       | 5.10                 | 65.01                 | <50        | <0.50         | <0.50         | <0.50         | <0.50         | <0.50        | <1.0       | 3.1             | 5.1           |
|            | 11/02/01      |                       | 6.40                 | 63.71                 | <50        | <0.50         | <0.50         | <0.50         | <0.50         | <5.0         | <0.50      | <0.50           | <0.50         |
|            | 02/01/02      | n                     | 4.95                 | 65.16                 | <50        | <0.50         | <0.50         | <0.50         | <0.50         | <5.0         | <0.50      | 0.62            | <0.50         |
|            | 05/07/02      | p                     | 5.58                 | 64.53                 | <50        | <0.50         | <0.50         | <0.50         | <0.50         | <0.50        | <0.50      | 1.1             | <0.50         |
|            | 08/02/02      |                       | 6.48                 | 63.63                 | <50        | <0.50         | 0.59          | <0.50         | <0.50         | <0.50        | <0.50      | <0.50           | <0.50         |
|            | 11/13/02      |                       | 5.94                 | 64.17                 | <50        | <0.50         | 0.59          | <0.50         | <0.50         | <0.50        | <0.50      | <0.50           | <0.50         |
|            | 02/03/03      |                       | 5.16                 | 64.95                 | <50        | <0.50         | 0.59          | <0.50         | <0.50         | <0.50        | 0.730      | <0.50           | <0.50         |
|            | 05/05/03      |                       | 5.09                 | 65.02                 | <50        | <0.50         | <0.50         | <0.50         | <1.0          | <5.0         | <0.50      | <0.50           | 1.0           |
|            | 08/05/03      |                       | 6.04                 | 64.07                 | <50        | <0.50         | <0.50         | <0.50         | <1.0          | <5.0         | <0.50      | <0.50           | <0.50         |
|            | 11/04/03      |                       | 6.42                 | 63.69                 | <50        | <0.50         | <0.50         | <0.50         | <0.50         | <0.50        | <0.50      | <0.50           | 0.80          |
|            | 02/02/04      |                       | 4.57                 | 65.54                 | <50        | <0.50         | <0.50         | <0.50         | <1.0          | <0.50        | <0.50      | <0.50           | <0.50         |
|            | 05/03/04      |                       | 5.32                 | 64.79                 | <50        | <0.50         | <0.50         | <0.50         | <1.0          | <0.50        | <0.50      | <0.50           | 5.7           |
|            | 08/02/04      |                       | 6.22                 | 63.89                 | <50        | <0.50         | <0.50         | <0.50         | <1.0          | <0.50        | <0.50      | <0.50           | 5.0           |
|            | 11/01/04      |                       | 5.35                 | 64.76                 | <50        | <0.50         | <0.50         | <0.50         | <1.0          | <0.50        | <0.50      | <0.50           | 0.59          |

**Table 4**  
**Historical Groundwater Elevations and Analytical Results**

Former Shell Service Station  
1129 Mission Street  
Santa Cruz, California

| Well | Sampling Date | TOC Elevation (feet, msl) | Depth to Groundwater (feet, TOC) | Groundwater Elevation (feet, msl) | TPHg (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl Benzene (ppb) | Xylenes (ppb) | MtBE (ppb) | TCE* (ppb) | Vinyl Chloride* (ppb) | Dichloro-ethene* (ppb) | Tetrachloro-ethene* (ppb) |
|------|---------------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|------------|-----------------------|------------------------|---------------------------|
|------|---------------|---------------------------|----------------------------------|-----------------------------------|------------|---------------|---------------|---------------------|---------------|------------|------------|-----------------------|------------------------|---------------------------|

**Notes:**

TOC = Top of casing

msl = Mean sea level

TPHg = Total petroleum hydrocarbons calculated as gasoline

ppb = Parts per billion

MtBE = Methyl tert-butyl ether

TCE = Trichloroethene

(D) = Duplicate

\* = Volatile organics analyzed by EPA Method 8010; all other compounds were below their detection limits unless noted.

\*\* = Laboratory noted rerun of duplicate sample closely matched first test data, is deemed acceptable though no matching test data is noted in group.

NM = Not measured

-- = Information not available

< = Not detected at or above detection limits

ND = Not detected at or above detection limits

NA = Not analyzed or not applicable.

NR = Not reported

a = 1,2-Dichloroethane was detected at 1.8 ppb

b = 1,2-Dichloroethane was detected at 0.5 ppb

c = 1,2-Dichloroethane was detected at 9.5 ppb

d = 1,2-Dichloroethane was detected at 0.72 ppb

e = Chloroform was detected at 3.1 ppb

f = Chloroform was detected at 5.5 ppb

g = Samples from 5/3/99 monitoring event were mislabeled, wells resampled 6/15/99.

h = High detection limits for MtBE are due to elevated levels of target compounds.

i = Laboratory noted unidentified hydrocarbons and weathered gasoline in the chromatogram pattern.

j = Trans-1,2-dichloroethene was detected at 0.662 ppb

k = Well box replaced; TOC raised 0.31 foot

l = Trans-1,2-dichloroethene was detected at 0.794 ppb

m = Cis-1,2-dichloroethene was detected at 1.0 ppb

n = Cis-1,2-dichloroethene was detected at 0.86 ppb

o = Trans-1,2-dichloroethene and cis-1,2-dichloroethene were detected at 0.62 ppb and 6.0 ppb, respectively

p = Cis-1,2-dichloroethene was detected at 10 ppb

q = Cis-1,2-dichloroethene was detected at 4.2 ppb

Historical information provided to RRM, Inc. by Pacific Environmental Group, Inc. (Third Quarter, 1997)

**ATTACHMENT D**

**REVISED CASE CLOSURE SUMMARY FORM**

**CASE CLOSURE SUMMARY**  
Leaking Underground Fuel Storage Tank Program

**I. Agency Information**

|                                                       |                                                |
|-------------------------------------------------------|------------------------------------------------|
| <b>Agency Name:</b> RWQCB - Central Coast Region      | <b>Address:</b> 895 Aerovista Place, Suite 101 |
| <b>City/State/Zip:</b> San Luis Obispo, CA 93401-7906 | <b>Phone:</b> (805) 542-4640                   |
| <b>Responsible Staff person:</b> Tom Sayles           | <b>Title:</b> Associate Engineering Geologist  |

**II. Case Information**

| <b>Site Facility Name:</b> Former Mobil Service Station 10-HMG                   | <b>RWQCB Case No.</b>                           |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
| <b>Site Facility Address:</b> 1203 Mission Street, Santa Cruz, Santa Cruz County |                                                 |                     |
| <b>Responsible Parties</b>                                                       | <b>Address</b>                                  | <b>Phone Number</b> |
| ExxonMobil Oil Corporation                                                       | 4096 Piedmont Avenue, Oakland, California 94611 | (510) 547-8196      |
| <b>Property Owner</b>                                                            |                                                 |                     |
| The Lopina Partners                                                              | 360 Kiely Boulevard #220, San Jose, CA 95129    |                     |

**III. Tank Information**

| Tank # | Size in Gallons | Contents | Closed in Place/Removed | Date      |
|--------|-----------------|----------|-------------------------|-----------|
| 1      | 10,000          | Gasoline | Removed                 | July 1990 |
| 2      | 10,000          | Gasoline | Removed                 | July 1990 |
| 3      | 10,000          | Gasoline | Removed                 | July 1990 |
| 4      | 1,000           | Used Oil | Removed                 | July 1990 |
| 5      |                 |          |                         |           |

**IV. Release and Site Characterization Information**

|                                                                  |                                                                |
|------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Cause and Type of Release:</b> Unknown                        |                                                                |
| <b>Site Characterization Complete?</b> Yes                       | <b>Date Approved by Oversight Agency:</b> NA                   |
| <b>Monitoring Wells Installed?</b> Yes                           | <b>Number:</b> 10 <b>Proper Screened interval?</b> Yes         |
| <b>Highest GW Depth Below Ground Surface:</b> 1.85 feet          |                                                                |
| <b>Most Sensitive Current GW Use:</b> Domestic                   | <b>Lowest:</b> 12.10 feet <b>Flow Direction:</b> East          |
| <b>Are Drinking Water Wells Affected?</b> No                     | <b>Aquifer Name:</b> West Santa Cruz Terrace Groundwater Basin |
| <b>Is Surface Water Affected?</b> No                             | <b>Nearest affected SW name:</b> NA                            |
| <b>Off-site Beneficial Use Impacts (addresses/locations):</b> NA |                                                                |

**CASE CLOSURE SUMMARY**  
Leaking Underground Storage Tank Program

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**V. Treatment/Disposal Methods (Attach any additional information)**

| Material     | Amount (Include Units)                                                                              | Action (Treatment or Disposal Method)                                                                                   | Date                          |
|--------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Tanks        | (3) 10,000-gallon single-walled steel gasoline<br><br>(1) 1,000-gallon single-walled steel used oil | Not Available                                                                                                           | July 1990                     |
| Piping       | Approximately 500 feet single-walled steel                                                          | Not Available                                                                                                           | July 1990                     |
| Free Product | NA                                                                                                  | NA                                                                                                                      | NA                            |
| Soil         | Approximately 2,700 cubic yards                                                                     | Treated on site with ex-situ soil vapor extraction system, then transported and disposed at a local Class III landfill. | November 1990 to March 1991   |
| Ground Water | 2,159,347 gallons                                                                                   | Treated on site and discharged under permit to the local sanitary sewer system                                          | July 1991 through August 1996 |

**Maximum Documented Contaminant Concentrations--Before and After Cleanup**

| Contaminant  | Soil (mg/kg) |       | Water (µg/L) |        | Contaminant  | Soil (mg/kg) |       | Water (µg/L) |        |
|--------------|--------------|-------|--------------|--------|--------------|--------------|-------|--------------|--------|
|              | Before       | After | Before       | After  |              | Before       | After | Before       | After  |
| TPH (Gas)    | 7,800        | 51    | 260,000      | 330*   | 1,2-DCA      | NA           | NA    | NA           | <0.50* |
| TPH (Diesel) | NA           | NA    | NA           | NA     | Oil & Grease | NA           | NA    | NA           | NA     |
| Benzene      | 51           | 0.01  | 5,100        | 0.70*  | Lead         | NA           | NA    | NA           | NA     |
| Toluene      | 320          | 0.036 | 8,100        | <0.50* | MTBE         | NA           | NA    | NA           | <0.50* |
| Ethylbenzene | 110          | 0.063 | 3,300        | 6.3*   | Other        |              |       |              |        |
| Xylenes      | 510          | 1.2   | 14,000       | 9.90*  |              |              |       |              |        |

**Comments:** \* = Maximum documented contaminant concentration detected during the first quarter 2005

sampling event in wells MW1 through MW4 only.

## **CASE CLOSURE SUMMARY**

### Leaking Underground Storage Tank Program

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## **VI. Closure**

|                                                                                            |                     |                    |
|--------------------------------------------------------------------------------------------|---------------------|--------------------|
| Does completed corrective action protect existing beneficial uses per the Basin Plan? Yes  |                     |                    |
| Does completed corrective action protect potential beneficial uses per the Basin Plan? Yes |                     |                    |
| Does corrective action protect public health for current land use? Yes                     |                     |                    |
| Site Management Requirements: NA                                                           |                     |                    |
|                                                                                            |                     |                    |
|                                                                                            |                     |                    |
|                                                                                            |                     |                    |
|                                                                                            |                     |                    |
| Should corrective action be reviewed if land use changes? No                               |                     |                    |
| Monitoring Wells Destroyed? Yes                                                            | Number Destroyed: 5 | Number Retained: 5 |

|                                               |
|-----------------------------------------------|
| <b>List Enforcement Actions Taken:</b> NA     |
|                                               |
|                                               |
| <b>List Enforcement Actions Rescinded:</b> NA |
|                                               |

## **VII. Local Agency Representative Data**

|                                                                |                                              |
|----------------------------------------------------------------|----------------------------------------------|
| <b>Agency:</b> Santa Cruz County Environmental Health Services | <b>Address:</b> 701 Ocean Street, Room 312   |
| <b>City/State/Zip:</b> Santa Cruz, CA 95060                    | <b>Phone:</b> (831) 454-2022                 |
| <b>Responsible Staff Person:</b> Mr. Steve Biaocchi            | <b>Title:</b> Hazardous Materials Specialist |

## **VIII. Additional Comments**

**CASE CLOSURE SUMMARY**  
Leaking Underground Storage Tank Program

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|--|--|
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|  |  |
|  |  |

**IX. Regional Board Certification**

|                                       |              |
|---------------------------------------|--------------|
| <b>Signature of Executive Officer</b> | <b>Date:</b> |
|---------------------------------------|--------------|

2/11/03

**X. Additional Information (to be attached to this report)**

**1. Listing of Reports**

Please include a list of all investigative reports, including reports prepared for financial institutions such as Phase I Environmental Assessments, all monitoring data, corrective action alternatives analyses, and other consultant reports. If a report on the list has not been previously submitted to the Regional Board, please submit the report with this form.

**On or attached to the list must be the following statement, with the dated signature of the responsible party or his agent:**

"I attest, under penalty of perjury, in accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site."

The following items are optional as applicable to the review of the site for closure:

**2. Extent of Soil Contamination**

- a) Maps showing the extent of soil degradation by chemicals of concern in excess of guidelines, before and after remediation.
- b) Geologic log of the most highly degraded soil boring or monitoring well showing sample points with a list of contaminant concentrations.
- c) Summary table of all historic soil sampling results.

**3. Extent of Ground Water Contamination**

- a) Maps showing the extent of ground water degradation in excess of detection limits for chemicals of concern, before and after remediation.
- b) Geologic logs, including construction, for all wells.
- c) Representative geologic log identifying all aquifers.
- d) Two intersecting cross-sections of the site.
- e) Summary table of all historic ground water analyses and water levels.